C4C Lubuntu 14.04.3 ReSpin User Guide & Manual

About Your C4C Computer Operating System

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ABOUT C4C

As one part of the Body of Christ, we seek to lead unbelievers to an authentic relationship with Jesus Christ and to nurture believers in discipleship. Computers4Christians collects worn computers; freely given, by Christians and others. We wipe the hard drives of all previous information, mix and match parts, and make working machines we then load with the C4C Lubuntu ReSpin.

We are physically located in the city of Cheyenne, in the state of Wyoming, in the United States of America. The official mailing address for Computers4Christians is PO BOX 21221, CHEYENNE, WY 82003.

STATEMENT OF FAITH

We believe there is one true God, eternally existing in three persons; Father, Son, and Holy Spirit. We believe God created all things; including all life and the world we live in. We believe the Holy Bible is the Word of God and it is inherent and infallible. We believe Jesus Christ is the Son of God, our Savior and Lord. We believe Jesus was born from a virgin, lived a sinless life on the earth, died for *our* sins, and rose three days later. We believe in salvation by grace-through-faith in Jesus Christ.

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PURPOSE

To the weak I became as weak, that I might gain the weak. I have become all things to all men, that I may by all means save some. 1 Corinthians 9:22 (WEB)

As one part of the Body of Christ, we seek to lead unbelievers to a relationship with the Lord Jesus Christ and to nurture believers in discipleship.

"For you see your calling, brothers, that not many are wise according to the flesh, not many mighty, and not many noble; but God chose the foolish things of the world that he might put to shame those who are wise. God chose the weak things of the world, that he might put to shame the things that are strong; and God chose the lowly things of the world, and the things that are despised, and the things that are not, that he might bring to nothing the things that are: that no flesh should boast before God." 1 Corinthians 1:26-29 (WEB)

WHY FREE

"Charge those who are rich in this present world, that they not be haughty, nor have their hope set on the uncertainty of riches, but on the living God, who richly provides us with everything to enjoy; that they do good, that they be rich in good works, that they be ready to distribute, willing to communicate; laying up in store for themselves a good foundation against the time to come, that they may lay hold of eternal life." *1 Timothy 6:17-19 (WEB)*

A free computer, pre-loaded with an operating system and useful software (office suite, web browser, email client, etc.) is hard to turn down. The C4C computer user is exposed to God's Word as well as Christian teachings, Christian videos, Christian games, Christian music, etc. We pray each and every computer given will help bring the user(s) to Christ, or closer to God.

"Freely you received, so freely give." *Matthew 10:8 (WEB)*

WITNESS

Sing to Yahweh! Bless his name. Proclaim his salvation from day to day. Declare his glory among the nations, His marvelous works among all the peoples. *Psalms 96:2-3 (WEB)*

He said to them, "Come, follow me, and I will make you fishers for men." *Matthew 4:19* (WEB)

Freely you received, so freely give. *Matthew 10:8 (WEB)*

"But the eleven disciples went into Galilee, to the mountain where Jesus had sent them. When they saw him, they bowed down to him, but some doubted. Jesus came to them and spoke to them, saying, "All authority has been given to me in heaven and on earth. Go, and make disciples of all nations, baptizing them in the name of the Father and of the Son and of the Holy Spirit," teaching them to observe all things which I commanded you. Behold, I am with you always, even to the end of the age." Amen." *Matthew 28:16-20 (WEB)*

The gospel must first be preached to all the nations. *Mark 13:10 (WEB)*

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WHO WE ARE

Computers4Christians (C4C) was founded by Eric Bradshaw, Roger Galitz and Grant Johnson in early 2011. We were also joined for quite some time by Neal Heupel and Jason Walter. Our newest member is Tim Anderson.

Eric Bradshaw
President

Grant Johnson
Treasurer

Tim Anderson
Secretary

PURPOSE

Computers4Christians is a Wyoming Nonprofit Corporation formed to witness and disciple. We do this by refurbishing freely given computers and related equipment, testing components, mixing and matching parts, installing our own Christian Linux distribution and freely giving away working computers to whomever asks for one in an area we serve; as well as allowing anyone with access to the Internet to download and install our Christian Linux distribution on their own computer.

INVITATION

If you believe God can use you to reach the lost and disciple the saved through the giving away of free computers; please let us know your name, location in the world, and how best to reach you. We will want to know that you believe in salvation by grace-through-faith in Jesus Christ, have computer hardware skills, have a good attitude, are organized, have a place to work, have transportation, and a have a willingness to stay the course.

CONTACT

Please send written correspondence to Computers4Christians, PO Box 21221, Cheyenne, WY 82003; call us at 307-CCC-WORN (222-9676); or Email worn at computers4christians dot orgg

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LINUX

C4C computers come with a *free* Linux Operating System (OS); the C4C Lubuntu ReSpin. Our OS is a "respin" of Lubuntu; an easy to use Linux distribution that is itself a "light" version of Ubuntu (based on Debian). It is based on the Long Term Support (LTS) point releases for Lubuntu; 14.04.1, 14.04.2, 14.04.3 and 14.04.4.

Watch the cartoon short The Story of Linux. Also read UNIX/Linux History and A Brief History of Ubuntu. See Linux App Finder for a list of Linux Alternatives for Windows and Mac OS X Software.

C4C LUBUNTU RESPIN

Lubuntu is a "Recognized Flavor" of Ubuntu that is stable, free, and easily installed on most any computer manufactured in the last decade. The C4C Lubuntu ReSpin is a sub-derivative of Ubuntu.

LUBUNTU		**C4C RESPIN**	
Accessories		**Accessories**	
Archive Manager	Character Map	7Zip	Catfish
Disk Utility	Galculator	Diodon	Gdebi
GpicView	Leafpad	Geany	numlockx
LXTerminal	PCManFM	OpenJDK Java 7	PulseAudio Vol Ctrl
Scrot	xpad	Synaptic	Systemback
Graphics		**Graphics**	
Evince	mtPaint	GIMP	gThumb
Simple Scan		ImageMagick	Inkscape
		Scribus	
Internet		**Internet**	
Firefox	Pidgin	FileZilla	Gufw
~~Sylpheed~~	Transmission	Thunderbird	
Multimedia		**Multimedia**	
~~Audacious~~	~~GNOME MPlayer~~	Gnash	VLC
GUVCView	Xfburn	Xpdf	
Office		**Office**	
~~Abiword~~	~~Gnumeric~~	GnuCash	LibreOffice
Evince			

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CHRISTIAN CONTENT

12 Apostles Quiz and Memory Game and Flash Bible Games play in the GNU-Gnash Player. Bible Knowledge Games and Bible Verse Maze Quest Games play in the Firefox Web Browser. Bible Desktop, Diatheke, Verse, Wide Margin and Xiphos are included to help the user with Bible study, and a great many works are pre-loaded and pre-indexed, so they are searchable right-away.

Works Included: Bible versions AKJV, BBE, KJV, NHEB and WEB; Commentaries MHC, NETnotesfree, Personal and TFG; Daily Devotionals DBD and SME; Dictionaries MLStrong, Robinson, StrongsGreek, StrongsHebrew; General Books MollColossions and Pilgram; Maps ABSMaps, eBibleTeacherMaps, EpiphanyMaps, HistMidEast, KretzmannMaps, NETMaps, SmithBibleAtlas and SonLightFreeMaps.

The FoxFilter extension is included in Firefox to filter out inappropriate content on the web. We've also pre-loaded Firefox with *hundreds* of categorized bookmarks to inform and educate the C4C user. From learning about Linux to learning about the Lord - it's in there.

The C4C Lubuntu ReSpin also features the entire Audio Bible [WEB] and Gospel of John and 1st, 2nd and 3rd John teachings on MP3, new believer and discipleship materials in PDF, OGG and SWF formatted Christian Videos and over 3 hours of Christian Music donated by the recording artists themselves.

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BEGIN
When first booting your computer; you'll see the words "Computers4Christians **Lubuntu** ReSpin" with the C4C logo.

After a few moments, the mouse pointer, the desktop background and finally the bottom panel (LXPanel) will appear; indicating the Desktop has fully loaded.

The bottom panel (LXPanel) can be configured in a variety of ways. *See Configuring LXPanel in PCLinuxOS Magazine by Andrew Strick (stricktoo).*

LXPanel

Main Menu PCManFM Iconify Workspaces

Volume Network Clock Power

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MENU

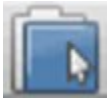
The Menu allows for easy navigation to most every application and option available in the operating system.

The top rungs include Accessories (Archive Manager, Catfish File Search, Character Map, Disks, File Manager PCManFM, Galculator, Image Viewer, Leafpad, LXTerminal and XPad), Christian, Education, Graphics, Internet, Office, Programming (Geany) and Sound & Video.

The middle rungs of the menu feature the System Tools; Firewall Configuration, BleachBit, GDebi, Lubuntu Software Center, Printers, Software Updater, Startup Disk Creator, Synaptic Package Manager, Systemback, System Profiler and Benchmark, Task Manager, Time and Date, Users and Groups, UXTerm and XTerm.

The bottom rungs feature Preferences (Additional Drivers, Bluetooth Manager, Customize Look and Feel, Default applications for LXSession, Desktop Preferences, Disks, Input Method, Keyboard and Mouse, Keyboard Input Methods, Language Support, Monitor Settings, Network Connections, Openbox Configuration Manager, OpenJDK Java 7 Policy Tool, Power Manager, Preferred Applications, Software & Updates), Run and Logout options.

PCMANFM



The File Manager (PCManFM) allows you to easily manage all files; those stored in your Home folder as well as elsewhere. Several different views are available; Icon, Compact, Thumbnail and Detailed List. "Show Hidden" allows you to see the files and folders normally hidden from view (usually beginning with a "." dot). And view the side pane as Places or Directory Tree. Right-clicking anything will open a lengthy drop-down menu with lots of options. Open PCManFM "As Root" from LXTerminal by typing: **`gksu pcmanfm`**

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ICONIFY

To "iconify" all windows means to instantly minimize all open windows and drop them in the bottom panel as thumbnails. *All running application windows will appear as thumbnails in the middle of the bottom panel anyway*. Or, middle-click this icon to "shade" the windows; leaving only the top bar visible. This is also called Roll-up. Click once on the top bar of any shaded or rolled-up window to Roll-down or un-shade it.

WORKSPACES

Utilize a second Desktop to separate whatever applications and / or processes you like. The open windows will be different depending on what you have running in each workspace. Flip back and forth between each workspace by clicking the left or right side of this icon.

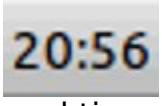
VOLUME

The Volume icon is a simple display allowing you to raise, lower, mute, or un-mute the main volume. *The Pulse Audio Volume Control is available from Menu --> Sound & Video*.

NETWORK

The display of the Network icon shows you at a glance if you are connected or not. Clicking it allows you to change or edit the different connections available.

CLOCK



This "icon" displays the current date and time in whatever form you desire. *It is highly editable*. Right-clicking allows you to make changes to how the date and time are displayed. Single, or left-clicking displays a calendar with the current date highlighted.

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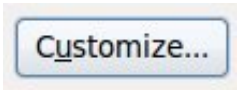
POWER

The "Power" or Shutdown menu allows you to Shutdown, Reboot, Suspend, Switch User and Logout (or Cancel). ***Always choose Shutdown from this menu (instead of using the physical power button on your CPU) to turn the computer off.*** *This helps to avoid problems with file system corruption.*



EYE CANDY: AdeskBar [AdeskBar], alternative sessions [Ubuntu Community Help Wiki], Best Lightweight Dock for Lubuntu [Answered Ubuntu], Change LightDM Background [Ubuntu Community Help Wiki], Change LXDE Screen Resolution [Sudo Juice], Compton: Meet Compton [Lubuntu Blog], Compton (shadow effects and more) [Lubuntu Blog], Conky: How to install Conky in Lubuntu and make it Autostart [SMF], Conky: SettingUpConky [Ubuntu Community Help Wiki], Conky Objects [Conkey], Conky Configuration Settings [Conky], Conky Manager [TeeJee Tech], Customize the Desktop [Linux LXDE Guide], Customize the LXDE Desktop using Lubuntu [Everyday Lix User], Customize Panels/Desktop [Fun with Ubuntu], Docky [Docky], Glx-Dock / Cairo-Dock [Glx-Dock / Cairo-Dock], Mac Theme [how2hackeasy], Plank [Plank], Plank – A Lightweight Application Dock For Linux [Help Desk Geek], Plank Themes on DeviantArt [DeviantArt], 5 Beautiful Plank Themes [WebUpd], Top 10 Plank Dock Themes [LinuxNov], Theming [Ubuntu Community Help Wiki], Ubuntu Theme [The Other Information], Wallpaper, Rotator & Wallpaper Geometry [LXDE Guide], Wallpaper Changer (Super Simple) [Ubuntu Forums], Wbar [Google Code], Wbar Dock or Panel [Guide To Setting Up LXDE] and Window Opacity and LxPanel Colors [Ubuntu Community Help Wiki].

KEYBOARD: Keyboards, Keybindings & Touchpad [Linux LXDE Guide], Keyboard shortcut, mapping and multiple layouts [Ubuntu Community Help Wiki], Links for Terminal & Keyboard Launched Apps [Linux LXDE Guide], and MultimediaKeys [Ubuntu Community Help Wiki].

MISC: Anti-virus [Ubuntu Community Help Wiki], Bluetooth [Fun with Ubuntu], Dual Monitors [Linux LXDE Guide], LubuntuHowTo.BlogSpot [Lubuntu How To], LXTerminal [Ubuntu Community Help Wiki], Right-Click Menu to Empty Trash [Bernaerts family site] and Skype [Ubuntu Community Help Wiki].

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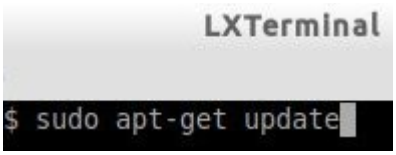
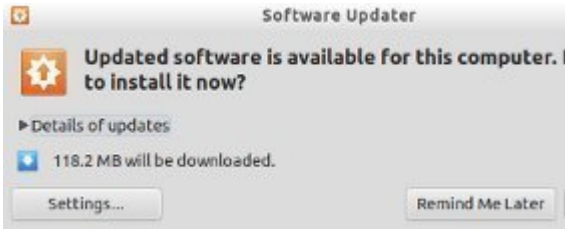
UPDATE

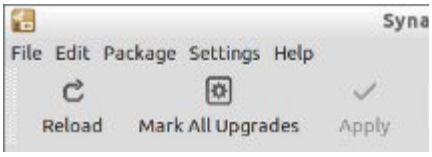
Update your system from the command-line. Go to **Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)**. At the prompt, type **sudo apt-get update**.



Alternatively, use the automatic **Software Updater**. Go to **Menu --> System Tools --> Software Updater**. Check for updates and if the button is available (meaning there are updates to install), then install.



Another alternative; use **Synaptic Package Manager**. Go to **Menu --> System Tools --> Synaptic Package Manager**. Click the "Reload" button. Click the "Mark All Upgrades" button next to that. Then the "Apply" check mark.



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PACKAGES

Software in GNU/Linux are usually in a "packaged" format. When speaking of software specifically for Linux (as apposed to say, a Java application), most refer to them as software *packages*.

The default *executable* file format in Lubuntu is a **.deb** file. Compare to .rpm in some other Linux distributions, .dmg in Mac OS, or .msi (or .exe) in Windows.

See InstallingSoftware on the Ubuntu Community Help Wiki.

APT-GET

The simplest way to download and install *known* software packages is **apt-get.**

> Go to **Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)**
> Type: sudo apt-get install *name-of-the-package*[Enter] or [return]
>
> To update the list of software available,
> type: sudo apt-get update[Enter] or [return]
>
> To get upgrade availability,
> type: sudo apt-get upgrade[Enter] or [return]
>
> To remove software,
> type: sudo apt-get remove *name-of-the-package*[Enter] or [return]

See AptGet/HowTo on the Ubuntu Community Help Wiki.

APT-URL

Apt-url allows software packages to be installed by a click of a button (a special link) on a webpage viewed with the Firefox web browser. The Apt-url protocol is a mini-application for installing packages from a repository a user already has enabled. *Pidgin IM also has support for Apt-url links*.

See AptURL on the Ubuntu Community Help Wiki.

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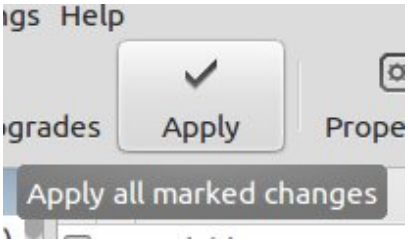
GDEBI

If you've already downloaded a .deb file; just double-click it to automatically use **GDebi**. When *downloading* a .deb file, you'll have the option to open (and install) with GDebi. Alternatively, go to **Menu --> System Tools --> GDebi Package Installer** and browse to find an already downloaded software package (or, one in a removable medium) to install.

See Using GDebi to Install Packages on the Ubuntu Community Help Wiki.

SYNAPTIC

Browse through almost 30,000 available packages with Synaptic Package Manager. Go to **Menu --> System Tools --> Synaptic Package Manager**. Read the descriptions and mark the check boxes of ones you want with a click of the mouse. When you're ready to install, click the check mark. The same actions apply to reinstall or remove packages. *You can also fix broken packages.*



See SynapticHowTo on the Ubuntu Community Help Wiki.

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LSC

The Lubuntu Software Center will show you several *hand-picked* packages for Lubuntu. Go to **Menu --> System Tools --> Lubuntu Software Center** Browse through a small collection of featured applications, categories and single packages. Search, read descriptions and add the packages you like to the "Apps Basket." This acts as a shopping cart feature. When your done browsing; click the Apps Basket button, review your choices and install.

See the Lubuntu Software Center on Launchpad. Also see the Web version of the Ubuntu Software Center.

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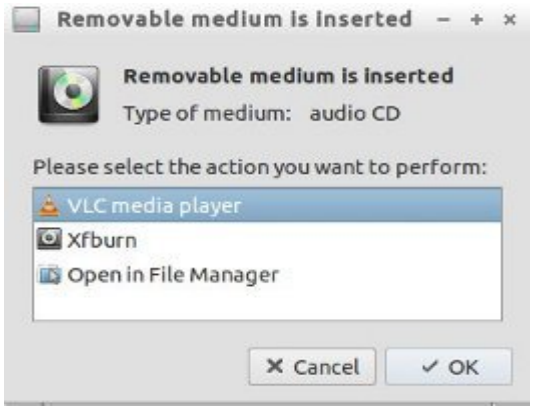
REMOVABLE MEDIA / SAVING / BACKING UP

When Removable Media (USB flash drive, CD, DVD, digital camera, phone, etc.) is inserted in the computer, a dialog box will appear asking what you'd like to do.



When the removable media is shown in the file manager (PCManFM), it is "mounted." In most cases, you'll want to item mounted to work with it. *Exceptions include a blank CD or DVD you'll be burning, or USB drive you'll be (re-)formatting*.

Removable media should be *unmounted* before physically removing it from the computer. Click the "eject" symbol that appears to the right of the removable media's icon and wait a few seconds before physically removing it. Alternatively; Right-click the removable media's icon in and select "Eject Removable Media" or "Unmount Volume" from the drop-down menu.

SAVE

Save early, save often. Save now. Nothing is more unnerving and frustrating than having several hours (or even several minutes) of work lost because you forgot to save. *Several applications (like those in LibreOffice) will allow you to set up automatic saves at timed intervals*.

BACKUP

Systemback makes backing-up system and user configuration files easy. Make restore points to take a snapshot of your system at a particular point in time. Later you can use them to restore your “system back” to the way it was. Other GUI backup applications include Amanda, Back In Time, DejaDup, and FlyBack. *More backup info on the Ubuntu Community Help Wiki: BackupYourSystem*

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CHRISTIAN GAMES

12 Apostles is really two games in one; 12 Apostles Quiz and 12 Apostles Memory Game. When done with one (or at any time), the user may click the 'Top Page' button to return to the main screen.

Quiz: The player tries to figure out which mystery apostle the game is describing by matching clues to the correct name and caricature likeness. This portion of the 12 Apostles game tests existing knowledge and teaches quick facts about the twelve.

Memory Game: 24 fish cards bearing the same caricatures of the apostles on the other side; two cards per apostle. The player flips two over two cards in each turn to try to find matching pairs.

The 12 Apostles Quiz and Memory Game is © copyright 2006 by MMBOX PRODUCTION and used by Computers4Christians with expressed written permission.

12 Apostles play in Gnash

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Bible Knowledge Games are a set of 8 Jeopardy-type, grid-style, point-value games, designed primarily for group play *(a human scorekeeper is needed)*.

The user clicks on a category 100, 200, 300 or 400 point link to reveal a Bible question along with a 10 second countdown. When the counter reaches 0, the answer screen automatically appears. If more time is needed, the counter can be re-started by hitting "Refresh" before the counter reaches "0." If less time is needed, the answer can be immediately revealed by clicking the "Early Answer" button.

Clicking "Back" sends the browser to the Bible Knowledge Game board. The point link for the question just answered (100, 200, 300, or 400) will have disappeared. The game board is reset by clearing browser history and refreshing. Bible Knowledge Games (BKGs) are free software under the GPL.

Bible Verse Maze Quest is a series of 10 games from the creator of Team R.H.I.N.O. Zone and the ArmoQuest Adventure Series. The player chooses from 4 Bible versions (NIV, KJV, NASB, NLT) to be tested with.

The Team R.H.I.N.O. character is navigated through maze-like rooms, bridges, fortresses, etc. with mouse or trackpad movements while answering Bible questions to collect treasures, tools, and other items. Hitting walls and barriers reduces the score, but answering fill-in-the-blank Bible verse questions (correctly), raises the score.

R.H.I.N.O. stands for Righteous Heroes Inspiring Noble Obedience. To be a R.H.I.N.O. is to be a Christian who strives to always do the right thing and to live in such a way as to encourage others to love God and to obey His Word.

Bible Verse Maze Quest (BVMQ) is © copyright 2012 RhinoPrints and is used by Computers4Christians' with expressed written permission.

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Flash Bible Games are designed to provide a fun learning environment to help Christians of all ages to get better acquainted with the contents of each book in the Bible. Many different types of games are included with this extra large collection of 117 Flash Bible Games.

Game Types: Action Level, Action Timed, Bible Challenge, Bible Jeopardy, Bible Kids Challenge, Bible Squares, CLUE, General Bible Knowledge, General Bible Knowledge for Kids, Bible Squares, Flash Pick, Wisdom - even snowboarding!

Questions are randomly selected from level to level for each game and players encounter new and repeated questions as they play again and again. The repeated questions help reinforce learning while new questions keep interest high.

Flash Bible Games were created by Dr. Dan Lim and are used in the Computers4Christians' distribution with his expressed written permission.

Flash Bible Games play in Gnash

Please be respectful of copyrighted material. C4C has been given special permission to include these Christian Games by the developers themselves.

Christian Games Online: **12 Apostles**, **ArmoQuest Adventure Game**, **Bible Knowledge Games**, **Bible Verse Maze Quest**, **Bible Quizes**, **Big Light GAMES**, **Christian Gaming Zone**, **Christian Computer Games**, **Faith Playground**, **Flash Bible Games**, **King's Call Adventure Game**, **Michael's Free Bible Games**, **Quest for Compassion** **and** **Superbook**

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CHRISTIAN MEDIA

Audio Bible This is an MP3 version of the World English Bible (WEB); a public domain update of the American Standard Version of 1901 to modern English. Each chapter is it's own MP3. The WEB Audio Bible is Copyright © 2005 AudioTreasure [http://www.audiotreasure.com] and is re-distributed by Computers4Christians with their written permission. The WEB Audio Bible may be legally copied in whole or in part and given to others for non-commercial use. ***MP3 files are played in VLC***

Gospel of John, and 1st, 2nd, & 3rd John Teachings (73 MP3s) As read and taught, in order, over 73 Sundays by Pastor Shaun Sells of Calvary Chapel Cheyenne. COPYRIGHT NOTICE: Unauthorized duplication of this product is encouraged. No rights reserved whatsoever, so spread the Word. "Freely you received, freely give." (Matthew 10:8) ***MP3 files are played in VLC***

OGG Files

53 [Gospel-Cube]

Blessing or Cursing
Reason to Live
Ten Shekels and a Shirt
True Faith

SWF Files

Genesis 2

The Problem
Psalm 23
Split Time
Walk-28

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We Will Meet Again

Which Way to Heaven

OGGs/OGVs play in VLC

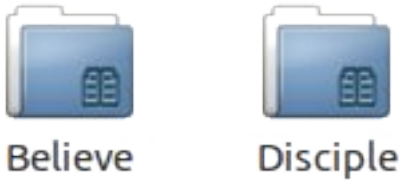
What Must I Do To Be Saved

SWFs play in Gnash

Wonderful News

Though the videos themselves may be copyrighted, included videos may be shared for witnessing, discipleship and other non-commercial uses.

More Online: ACWitness GodTube Holy is the Lamb Jesus Film Media TheGoodNews.org UltimateTube Video Tracts



Believe includes "Who is Jesus?" and the "New Life in Christ" series. These PDF files (over 150 pages total) were originally produced as NUEVA VIDA EN CRISTO by the Iglesias Evangélicas Centroamericanas and CAM International in Costa Rica. "Who is Jesus?" and the "New Life in Christ" were translated to English and distributed by New Life Discipleship and Camino Global in Dallas, TX. **Disciple** includes the "Discipleship" series in PDF (over 180 pages total) from the The Discipleship Ministry in Pukalani, Hawai`i. The well thought-out lessons in "Discipleship" are meant to be taught to new Christians immediately; in order to ground them in their new found Faith.

PDF files are viewed in Document Viewer (Evince) or xpdf

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Christian
Music MP3

Christian music generously donated by the artists:

Above Only - Above Only EP - ***Change*** (04:00)
Above Only - Above Only EP - ***Evil Never Sleeps*** (03:21)
Above Only - Above Only EP - ***Goodbye*** (03:58)

Justin James, Jeff Koontz and Chad Yarger are Above Only. Substantive lyrics, pounding base and aggresive guitar riffs combine make the band's distinctive sound. “Evil Never Sleeps” spent over 10 weeks on Billboard's Christian Rock top twenty chart and you'll know why in the first ten seconds. The songs on Above Only's “Evil Never Sleeps” EP are purposefully placed to show the depth and breadth of this group. “Goodbye” is a hopeful and sensitive ballad, “Change” is a catchy mid-tempo tune.

After the Chase - After the Chase - ***Run*** (05:07)
After the Chase - Make Me New - ***We Wait*** (04:55)
After the Chase - You Are My Child - ***Change Me*** (03:59)
After the Chase - You Are My Child - ***Slow Down*** (04:45)

A husband and wife duo, After the Chase, is Nathan and Jenna Strong. The name of their band comes from a Southern saying; "He chased her until she caught him." The song “Run,” featured on their self-titled CD brings to life lyrics directly from Isaiah 40:31. “We Wait” is from After the Chase' second release, “Make Me New.” After having their first child, the couple released the CD entitled “You Are My Child,” including the songs “Change Me” and “Slow Down.”

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ApologetiX - Hot Potato Soup - ***Lived the Day You Died*** (4:28)
ApologetiX - Hot Potato Soup - ***Too Pregnant*** (4:02)
ApologetiX - Hot Potato Soup - ***Lock*** (4:16)
ApologetiX - Hot Potato Soup - ***Man on a Cross*** (4:48)

ApologetiX is a Christian parody band that has allowed 4 songs from their 21st album "Hot Potato Soup" to be included in the C4C Lubuntu ReSpin. The name ApologetiX is based on "apologetics" which means the defense of the Christian faith.

Beth Champion Mason - All I Have - ***All I Have*** (4:23)
Beth Champion Mason - Just a Glimpse - ***Just A Glimpse*** (4:49)
Beth Champion Mason - Just a Glimpse - ***Remember This*** (3:47)
Beth Champion Mason - Postcards - ***Postcards*** (3:55)

On the heels of her successful independent debut, singer/songwriter Beth Champion Mason recently released her sophomore effort "Postcards." Beth has now sold thousands of CDs, as well as gaining radio attention across the country with her single "Lavish Love." Beth performs up and down the East Coast and beyond, including concerts, festival events, leading worship, coffeehouse concerts, and numerous other events. She has toured over 30 states as part of the "Road to Recovery Tour" with her partner artist, Leah Martensen.

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Brenda James - With Love - ***Not Too Late*** (04:43)
Brenda James - With Love - ***So Amazing*** (03:43)
Brenda James - With Love - ***With Love*** (04:11)

Brenda James only wants to bless others with the voice God gave her. She does it all for the now. We look forward to what the future holds for Brenda. Her voice is soulful, powerful and touching at the same time, it leaves you only wanting more. Be Blessed in Christ Jesus!

B-Shoc - Against the Flow - ***Christ-Like Cruisin'*** (4:57)
B-Shoc - Shoc the World - ***Helicopter*** (3:39)
B-Shoc - Shoc the World - ***2 Deuces in the Air*** (3:07)
B-Shoc - Shoc the World - ***Dance Dance Dance Dance*** (3:09)

Christian rap/hip-hop music artist B-Shoc has allowed several of his hit songs to be used in this distro including Grace, Grace, Grace; Helicopter and Christ-Like Cruisin'

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Chad Overman - Songs for the Searchers - ***Go Far, Go Wide*** (03:16)
Chad Overman - Songs for the Searchers - ***Hallelujah*** (05:25)
Chad Overman - The Solitude (Single) - ***The Solitude*** (05:16)

While comfortable being described as a Christian artist, Overman prefers to think outside of labels. He explains, “"I believe that my music goes beyond labels like ‘'Christian'' or ‘'secular''. Instead I just think of my music as ‘honest’ songs that capture moments in my life. Those moments may speak to my relationship with God-- they may tell a story of faith and doubt, or they may not.

Christ Our Life - Christ Our Life - ***O The Grace That Saves*** (03:01)
Christ Our Life - Christ Our Life - ***Who Is Like The Lord*** (04:47)
Christ Our Life - Christ Our Life - ***Your Loving Kindness*** (03:20)
Christ Our Life - Living Sacrifice - ***Fire of God*** (05:02)

Christ Our Life's fellowship began in 1999 through a testimony of repentance and a longing to follow Jesus Christ whole heartedly. Since that time others were added to the number, gathering together regularly. We desire to be a church that holds fast the word of God, that loves one another and is set apart from the world with its lusts. Our emphasis is a message of repentance and making disciples through the teaching of God's word, with the hope that we may be conformed to the image of Christ.

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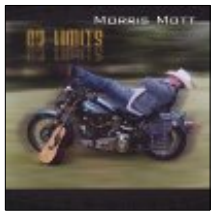
Faithland - For Eternity - ***A Heart Like Yours*** (05:42)
Faithland - For Eternity - ***More Than Everything*** (04:37)

Faithland is the result of the power of the Holy Spirit in the hearts of four men along with a small Church in who together love Jesus Christ with all their heart's. Their music is about their Lord and Savior, their faith in Him, and how He has changed their lives. And their desire is to see the lives of many more be transformed through Christ's Gospel Message. They are Christians who exist to live and spread the Good News of Christ, and as a band their mission is to glorify God through their music and the way they live.



Morris Mott - Beyond Your Dreams - ***Too Many Old Devils*** (02:58)
Morris Mott - No Limits - ***Me And My Jes~Us*** (03:11)
Morris Mott - No Limits - ***No Limits*** (03:33)
Morris Mott - No Limits - ***Too Blessed To Be Stressed*** (03:03)

Morris Mott is an award winning Christian country music artist who writes, produces and performs Faith Country. Faith Country is positive country music with an edge.

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Perry and the Poorboys - Half Way Around - ***All I Am*** (04:06)
Perry and the Poorboys - Half Way Around - ***Happy Beach*** (04:12)
Perry and the Poorboys - Half Way Around - ***Lord of Me*** (04:02)
Perry and the Poorboys - Half Way Around - ***Where Will You Sleep Tonight*** (04:58)

Growing up in a conservative Jewish home, Perry's decision while in high school to accept Jesus Christ as the Messiah brought considerable grief and division into his traditional family. Perry later enrolled in the "Lutheran Bible Institute Of Seattle." Though this decision caused a great degree of alienation from his family, Perry faith in his Lord had a God-breathed outlet....his music.

Scott Krippayne - Christmas - ***Silent Night*** (04:09)
Scott Krippayne - Fight for Love - ***Voyage*** (04:09)
Scott Krippayne - Simple Worship - ***Steadfast Love*** (03:52)

For Scott Krippayne, a respected, accomplished singer/songwriter, the days of playing it safe are over. After nine years in pursuit of his dream, with five albums and plenty of radio and critical success to mark the path, Scott threw away the rulebook. He and his wife, Katy, moved back home to , to reestablish their roots before their kids started school. There, Scott jumped off the ‘people pleaser’ bus. He started running with scissors, talking to strangers, base-jumping from tall buildings and touching breakable things in department stores.

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Steven Ybarra - Best Days - ***You Are Holy*** (04:56)

One of the most gifted, honest musicians to emerge from 's thriving singer-songwriter scene in years, national recording and touring artist Steven Ybarra has captivated crowds across with his guitar, his voice, and a keen ear for that perfectly melody. Along the way he's earned not just devoted fans, but numerous accolades, including four San Diego Music Awards and a San Diego Songwriter's Guild Platinum Award. Having shared stages with renowned artists including Gavin DeGraw, Switchfoot, Jason Mraz, Jeremy Camp, Sugar Ray and Hootie & the Blowfish, Ybarra is already a hometown fixture. His most recent albums, "Love Love Love," and "Best Days," are succinct gems, set to catapult his solo career.

Yancy - Have a Fancy Yancy Christmas - ***Merry Christmas, Happy Christmas*** (03:29)
Yancy - Little Praise Party / Happy Day Everyday - ***Hosanna Rock*** (02:20)
Yancy - Rock-N-Happy Heart - ***No Other Name*** (05:49)
Yancy - Stars, Guitars & Megaphone Dreams - ***Make It Loud*** (03:40)

With a decade under her belt in creative circles, Yancy’s fingerprints have found their way onto a variety of projects that suggests she has an insatiable appetite to explore, while serving as an ingenious study in contrasts along the way. As her ultra-fabulous new album title Stars, Guitars and Megaphone Dreams implies, there are plenty of reach for the sky empowerment anthems, but also several reflective, praise-centered moments that perfectly juxtapose the blueprints for the switch hitter’s career thus far.

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EDUCATION

Bible Desktop is an open source Bible study tool running on Java. *Preinstalled Bibles*: AKJV, BBE, KJV, NHEB, WEB. This application has access to more works through the CrossWire Bible Society JSword Project. View different Bibles in parallel and compare Bible versions with "Show Differences."

Strong's Numbers, headings, notes and the Passage Sidebar can be turned on and off. Verses automatically start on new lines, fonts and font sizes are easily changed and tabs are automatically given names to match a search. *When adding modules not already included, you'll have to index them before you'll be able to search*.

Bible Desktop is free and open source software licensed under GPL. The JSword project's libraries are licensed under the LGPL. Learn more at Bible Desktop's Crosswire Homepage. See the Bible Desktop Online How-To Guide and *download* the [PDF] Manual.

Wide Margin is an easy to use tool for studying the King James Version Bible. Wide Margin features a very simple interface, an "as you type" search (verse, chapter and book), filtered searching by book, verse highlighting, unlimited continuous scrolling and daily reading plans. *If only the King James Version will do - this app is for you*. Wide Margin is free and open source software licensed under GPL. Learn more about Wide Margin at widemargin.org

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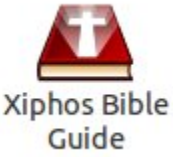

Xiphos features fast indexed searching, simultaneous multi-book searches, tabbed display and has access to the CrossWire Bible Society SWORD Project, Bible.org, and it's own Xiphos Repository. Originally developed for GNOME (in fact, it was formally known as GnomeSword), Xiphos also works well with the LXDE Desktop Environment.

Strong's Numbers are shown below the text (instead of after it) with the mozembed rendering engine. Prayer lists, journals, and commentaries can all be saved as modules and shared with others.

The C4C Lubuntu ReSpin includes many pre-installed and already indexed (searchable) modules for use within Xiphos. Bible Guide: **Bibles** AKJV, BBE, KJV, NHEB, WEB. **Commentaries** MHC, NETnotesfree, Personal, TFG. **Daily Devotionals** DBD, SME. **Dictionaries** MLStrong, Robinson, StrongsGreek, StrongsHebrew. **General Books** MollColossions, Pilgram. **Maps** ABSMaps, EpiphanyMaps, HistMidEast, KretzmannMaps, NETMaps, SmithBibleAtlas, SonLightFreeMaps, eBibleTeacherMaps.

Xiphos is free, open source software licensed under GPL. Learn more at the Xiphos Bible Guide Homepage. Read the Xiphos Bible Guide Manual.

Verse is a command-line utility to display a daily devotional verse from the King James version Bible. Verse calls up a selection of 365 Bible verses stored in a text file that is tied to the date your computer shows. Access the KJV Bible verse of the day any time through LXTerminal. Simply type: **verse[Enter] or [return]**. *Debian package listing for Verse*.

Diatheke is mainly used as a back-end to allow other applications to pull material from the SWORD Library. *Technically, it's a front-end to the library*. Diatheke can output GBF, ThML, RTF, HTML, OSIS, CGI, and text. Access Diatheke through LXTerminal. Type **diatheke[Enter] or [return]** to get usage info. Diatheke is free, open source software licensed under GPL. More information availabe from CrossWire's Diatheke page

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Other Bible Education Apps

(*not included, but possibly useful to you*)

Alkitab, like Bible Desktop, runs on Java and uses the JSword project engine. Bibledit for Bible editing and translation and interfaces with both BibleTime and Xiphos. BibleMemorizer helps Christians memorize verses with fill in the text box quizing of the verses they choose. The BibleTime Bible study application, like Xiphos, uses works available through SWORD, Bible.org and the Xiphos repository.

SCHOOL

The most popular software requests we've gotten involve education; children *and* adults in school and homeschooling parents. We can't cover every possible scenario, but these pages should help *most* on their scholastic journey.

The absolute quickest and easiest way to add bunch of good educational software is to install one of the Edubuntu meta-packages. These application bundles integrate well into the C4C Lubuntu ReSpin. *You may install more than one (even all) of these:*

Go to **Menu** --> **Accessories** --> **LXTerminal** (or **Ctrl+Alt+T**)

PreSchool
sudo apt-get install ubuntu-edu-preschool -y
Primary
sudo apt-get install ubuntu-edu-primary -y
Secondary
sudo apt-get install ubuntu-edu-secondary -y
Tertiary
sudo apt-get install ubuntu-edu-tertiary -y

Note: Because so much of online ed is video based; please also see VIDEO.

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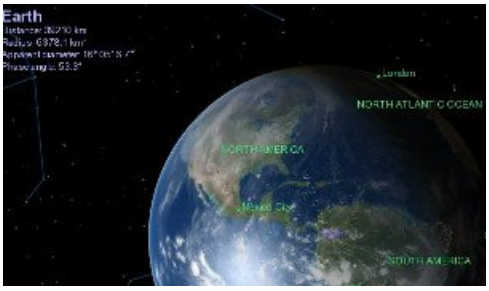
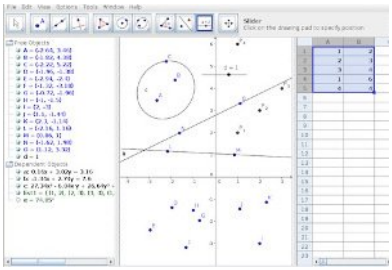
Secular Education Apps

For little ones, check out Blinken (blinken), Bouncy the Hungry Rabbit (bouncy), Child's Play (childsplay), Linux Letters and Numbers (lletters), Potato Guy (ktuberling) and Ri-Li (ri-li)

For slightly bigger ones, see GCompris (gcompris), TuxMath (tuxmath), Tux Typing (tuxtype) and Tux Paint (tuxpaint). *Actually, Tux Paint and GCompris can be popular with the little ones too.*



A great resource for specific *types* of general educational applications is Linux App Finder. Also see software useful for the classroom at SchoolForge.net – categorized and search-able. Alan Moore has a nice selection of children's educational software listed by title on his blog.



Educational software can be found via the *Lubuntu Software Center* and the Synaptic Package Manager.

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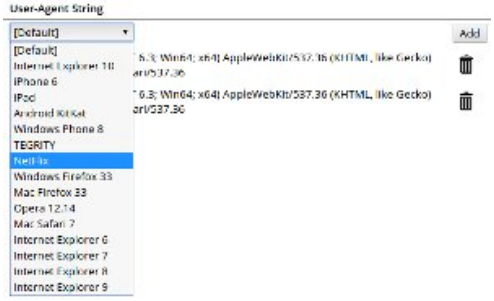
SPOOFING

Sometimes a school requires it's students be users of one or two popular operating systems and / or web browsers. There is usually nothing particularly special about the content being delivered, but rather than fight the school system and/or risk a bad grade; you can likely *fool the school.*

Spoofing is pretending to be running an operating system (usually Windows or Mac OS X) and/or a particular web browser (usually Internet Explorer or Safari) that you're really not. The easiest way to to accomplish this is to change the User Agent String in your web browser - *what the web browser itself reports it is and what it's running on.*



An easy method of changing the User Agent String (on the fly if you need to) is called User Agent Switcher. See the **Firefox** User Agent Switcher *Add-on* and the **Chrome** User-Agent Switcher *Extension*. Different strings to spoof different operating systems and web browsers are stored in a Permanent Spoof list and may be added to. The advantage is that you only have to add a User Agent String once for each site that you need it for. From that point on, the web browser will automatically show the correct User Agent String to the correct websites. *See the school's online system requirements for what to spoof*.

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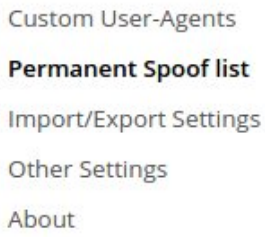
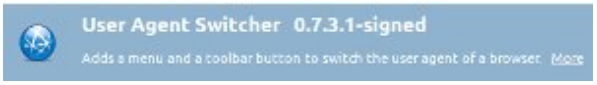
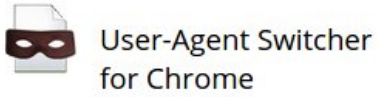


User Agent Switcher allows you to save a particular "spoof" for a particular website or group of websites. For instance; you might need to fool your child's school into thinking you're running Safari on Mac OS X when they turn in a homework assignment, but streaming "Building a Difference" on Parables works just fine on Firefox thank you very much. Quite possibly you enjoy the features of the "full version" of a Webmail program your college uses and need to pretend to be running Windows. And the online statistics class you take through the University might require you to be running Internet Explorer, but when you're all done for the night - Netflix "just works" on Google Chrome.

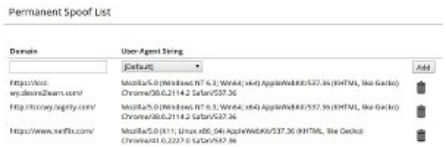


Note: Netflix really does "just work" on Linux via Chrome. In fact, if you change the User Agent String to spoof another OS and/or web browser on the Netflix site, you will likely get error M7121-1331-6037.



Example

This user agent string allows someone taking an online course via Google Chrome on the "Desire2Learn" system utilizing "Tegrity" videos: **Mozilla/5.0 (Windows NT 6.3; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/38.0.2114.2 Safari/537.36 [Indicator Flag is IE]** *Now, to switch the browser (Chrome) back to default settings to watch Netflix:* **Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2227.0 Safari/537.36 [Indicator Flag is CR]**



More Info

See the very useful User Agent String Browser List and User Agent Strings by Application and also this Comprehensive List of User Agents. This Linux.org article gives much insight into how and why User Agent Strings are used and this article on How-To Geek shows you how to spoof *without* installing User Agent Switcher.

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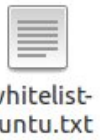
WHITELISTING

There are many services and software designed to blacklist bad web sites. But, users can and do learn how to get around these "site-blockers," and there's a bad website born about every minute. Keeping up with all the bad websites is next to impossible. So, instead of blacklisting bad sites; a better option for administrators (usually a parent) may be what's called whitelisting on the account or the computer of a non-administrator (usually a child).

Whitelisting means blocking access to everything on the Internet not already approved by the administrator. The computer is cut off from everything on the Internet, except for what the admin has in the whitelist. And it should go without saying; admins should never let their son(s), daughter(s), husband or wife (whoever they are intending to protect) see their administrator password.



For child's computer or account (especially homeschooled ones), you can download whitelist-buntu.txt from SavingUS as a base. This is a list of all the sites referenced in the middle section of the Saving Children page - useful too just as a good list of educational websites.

To add to this list (or to look up any more sites), go to an IP lookup page such as this one or this one. Note: Some websites pull-in content from other servers and / or domain names. You may need to examine the code (view the page source) of the web page / website to find all the addresses you'll want or need.

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Go to **Menu** --> **Accessories** --> **LXTerminal** (or **Ctrl**+**Alt**+**T**)
Edit the hosts file by typing (or copying and pasting):
sudo leafpad /etc/hosts

Provide the password (don't let anyone see what you type in), and [Enter]. [Ctrl+A] to select all text in the whitelist-buntu.txt file, copy [Ctrl+C] and paste [Ctrl+V] to append the hosts file. Save [Ctrl+S] and "X" out of the hosts file. Back in LXTerminal, type (or copy and paste):
sudo leafpad /etc/nsswitch.conf
Find the hosts line
hosts: files dns
and remove dns, so the line becomes
hosts: files
Save [Ctrl+S] and "X" out of the nsswitch.conf file

Now everything except pre-approved sites are blocked.

Edit the hosts file to allow (or disallow) access to additional websites. If needing to run updates, temporarily give the computer access to the entire Internet by adding **dns** back into the **nsswitch.conf** file and saving.

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GRAPHICS

GIMP is the GNU Image Manipulation Program; a powerful application for raster image authoring, retouching and composition. GIMP is a scriptable, expandable, extendable image application with a nice GUI.

GIMP can open, display, convert and save to all sorts of image file formats, including BMP, GIF, JPG, PCX, PDF, PNG, PS, PSD, SVG, TIF and more. GIMP features painting tools (Airbrush, Brush, Clone, Pencil) including gradients, blending, custom brushes and patterns, anti-aliasing, and more.

GIMP has support for animation, multiple undo and redo, layers (incl. editable text layers) and channels (incl. alpha channel support), transformable paths, a foreground extraction tool, transformations (incl. flip, rotate, scale and shear) and extractions. GIMP is plug-in friendly; *there are well over 100 plug-ins available*.

More info: GIMP.org, Online Docs, Plugin Registry, User Manual, FAQ, Tutorials. Also check out tutorials from GIMPology and GIMP tips and tricks. Videos: 12 useful GIMP Tutorials for absolute beginners from Tech Drive-in, Top 10 Beginner Video Tutorials to Learn GIMP Fast from makeuseof and more from Six Revisions.

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gThumb is a photo browser, organizer and uploader. Good for bookmarking, cataloging, importing, editing EXIF metadata, slideshowing, tagging, making "contact sheets" and web albums as well as uploading pictures to places like Picassa, Flickr and Facebook. gThumb also features audio and video playback (take a screenshot of video *during* playback) too.

gThumb uses plug-ins that come *with* the program and each of them can be enabled and disabled in the preference panel. More options are available by right-clicking and double-clicking individual photos.Other apps like GIMP are probably better suited for editing; but the user *may* switch to gThumb's "Edit Mode" to resize, convert, crop, enhance, equalize, flip, rotate, mirror and remove "red-eye."

gThumb is free and open source software licensed under the GPL. Watch a UbuntuAppWorld video about gThumb on YouTube. Read a gThumb review on OpenSourcePhotography.org. Learn more about gThumb on it's SourceForge home. Read a gThumb review on Scribbles and Snaps. Read a (short) About.com gThumb Tutorial.

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ImageMagick (display) is a scriptable, mostly command line, raster image creator, converter and batch processor. At it's core is a set of libraries that allows it to work with and convert to and from over 100 different image types.

Format support: 3ivX, AAC, AC3, Alaw/µlaw, Cinepak, DIVX, Dirac, DTS, DV, E-AC-3, FLAC, H.264, Indeo Video, MACE, Mod, MP3, MPEG, MP4, On2, Real Video, Theora, VC-2, Vorbis, WMV and more.

Annotate, add borders and special effects, change brightness, saturation, hue, color reduce, create a composite image, dither, double and half, emboss, encipher and decipher, gamma correct, histogram equalize and normalize, resize (including liquid rescale - conversion of disproportionate sizes to other disproportionate sizes without a loss in quality), make montages, make GIF animations, segment by color, rotate, sharpen, stream... The advantage in using ImageMagick is it's ability to do these things on many images at once, inside different directories, at timed intervals, etc. First appearing for X in 1991, ImageMagick is available on almost every platform and is still receiving updates today.

ImageMagick is free, open source software licensed under Apache 2.0
Learn more at ImageMagick's Homepage.

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Inkscape is a vector image editing application offering alpha blending, cloning, node editing, markers and path operations in the Scalable Vector Graphics (SVG) XML-based file format; a resolution-independent description of shapes and objects. Used mainly for logos and technical illustrations it can be compared to commercial programs like Corel Draw, Freehand, Illustrator or Xara X.

Inkscape is free, open source software licensed under GPL. Learn more at the Inkscape Homepage and be sure to check out their own user manual and tutorials. Also see the inkscape tutorials blog, Speckyboy's Amazing Vector Graphics Tutorial, Tech Drive-in's Beautiful Inkscape Tutorials and Very Simple Design's Spiro Swirls Tutorial

LibreOffice-Draw offers import and export support for BMP, GIF, JPEG, PDF, PNG, TIFF, and WMF. It will also save projects as an SWF (Flash) file. Draw offers two and three-dimensional rotation; group, ungroup, regroup (and editing while graphics are still grouped); can use textures, lighting effects and transparency; can change perspectives, be used to make network diagrams and flowcharts; and features page sizes big enough to make posters.

LibreOffice-Draw is free, open source software licensed under the LGPL. BVCC Schoolhouse Draw Tutorials (bottom of page) in PDF format. Watch FrugalComputerGuy's LibreOffice Draw Video Tutorials. Also check out the LibreOffice-Draw official Homepage

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mtPaint is a pixel-based paint program used primarily for icon creation. mtPaint can open and save to BMP, GIF, JPEG, LSS, PNG, TGA, TIFF, XBM and XPM image formats. It offers extensive palette, layer and pattern features; panning, arrow key-driven precision pointer movement, horizontal and verticle split-view modes, a pixel grid, a 12 image clipboard, up to 1000 undo steps, and zooming up to 2000%.

mtPaint is free, open source software licensed under GPL. Learn more at mtPaint's SourceForge Homepage. Learn much more at the mtPaint Blog

Scribus is a professional-grade desktop-publishing (layout and design) application. Use Scribus to make Brochures, Posters, Worship leaflets/inserts, Membership directories, Songbooks, Bulletins, Calendars, Educational materials, Fliers, Signs, Labels and more.

Featuring precision text and image placement (including rotation), text kerning, layering with CMYK (and RGB) colors, spot color support, ICC color management, bezier curves polygons, PDF creation, encapsulated PostScript, EPS/PS and SVG import *and export* and press-ready 4-color separations.

Scribus has support for font embedding and sub-setting with True Type, Type 1 and Open Type fonts. *Scribus has it's own Level 2 PostScript constructs and supports very large set of Level 3.* The native Scribus file format is XML-based, so even damaged Scribus documents can be recovered with a text editor.

More info at Scribus.net, and the Scribus Wiki. Read Getting Started with Scribus at Open-of-Course, check Scribus articles in LinuxJournal and get more templates at Scribus Stuff.org. See a newsletter-creation 3-video series at DecafBad, watch HumpyCreature007's videos on YouTube and see over 40 video tutorials at ShowMeDo.

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SCROT

(SCReen shOT)

SCROT is a simple command-line utility for taking screenshots. The simplest way to utilize SCROT is by hitting the "Print Screen" button on the keyboard. An image of the entire screen will appear in the home folder. Many commands may be issued in LXTerminal to control SCROT including image format, time-delay, a particular part of the screen, etc. For many of SCROT's useful commands, just type: **man scrot** in LXTerminal. For tips and tricks see Gary Richmond's "How to take screenshots" in Free Software Magazine

Other **Graphics Apps**

(*not included, but possibly useful to you*)

Dia Diagram Editor for creating relationship and network diagrams, flowcharts, etc - Export to EPS, PNG, SVG, XFIG and WMF. FreeCAD is a 3D CAD / MCAD / Cax / CAE / PLM modeler. Agave, Gcolor2 and Gpick are all color pickers. Pencil is drawing software to create traditional 2D animations (cartoons) supporting bitmap and vector graphics. Other Paint Programs include Pinta, Krita, MyPaint and KolourPaint. Other Photo Applications include F-Spot, GimPhoto, RawTherapee, Shotwell and digiKam.

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INTERNET

Firefox There are a lot of Internet web browsers available, but none as configurable, extendable, or one might say *personable* as Mozilla Firefox. It's open source web browsing at it's finest. Mozilla is a non-profit organization dedicated to making your experience on the web whatever *you* want it to be.

Add-Ons
Firefox has thousands of add-ons available [categorized and searchable on this website]. Extend it's capabilities, theme it, make it work the way you do. C4C pre-installed just two add-ons by default; FoxFilter parental control and GNotifier; an extension that changes Firefox notification "pop-ups" to match the ones used in Lubuntu.

Bookmarks
Bookmarking a web page is as simple as selecting "Bookmark This Page" or pressing CTRL(control)+D when the web page has loaded. Alternatively, right-click (F12) anywhere on the main body of the web page to access dropdown menu selections that include bookmarking. Built-in organizing allows you to categorize your bookmarks on the fly (while you're browsing). Hit the "Choose" selection to save in a pre-exiting category (C4C pre-loaded Firefox with hundreds of categorized bookmarks already), or select "Organize Bookmarks..." to use the "Library" where you can organize and re-organize bookmarks anytime. Backup, restore, import, export, add, delete, rearrange... You can also try one of the many bookmarking add-ons to extend bookmarking capabilities even further.

Flash Plug-in
Videos and games on the Internet are often encoded in Adobe Flash file formats of FLV and SWF. Although open source software is included to handle Flash played from your hard disk drive; the actual closed source Adobe Flash plug-in generally offers the best user experience for Flash on the web, viewed through Firefox.

Go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)
Type (or copy and paste):
sudo apt-get install flashplugin-installer[Enter]

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Preferences
Firefox Preferences gives you access to all sorts of settings. Control which plugins do what, what applications to use for which media type, how tabs are used, if and how your Internet activity is tracked and by whom. You can clear recent history too; over the past hour, day, week, or everything. Many more settings are available through the Preferences.

Search Bar
By default, the top search engine is DuckDuckGo. But, this is easily changed and or rearranged with other searches. Click the icon to the left of the search box to switch to one of the other preset options, or choose “Manage Search Engines” to get many more choices. When you begin typing into the search bar, a dropdown menu of filled-in suggestions (based on popular searches from other users as well as your own search history) will appear. If you see one that fits, click it with your mouse.

The source code of Firefox is available under various free and open source licenses. Most of it is available under the Mozilla Public License 2.0 (MPL).

More Firefox: Contribute, Customize, Extensions, Getting Started, Linux Tagged, Search Tools, Support, Themes

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FileZilla client software is a fast file transfer client supporting FTP, FTP over SSL/TLS (FTPS) and SSH File Transfer Protocol (SFTP). FileZilla features bookmarking, drag and drop, HTTP/1.1, SOCKS5 and FTP-Proxy support, resume and transfer of large files, remote file search and IPv6 support. FileZilla is free and open source software licensed under the GPL. Learn more about FileZilla on it's homepage and check out the FileZilla Documentation. Also see FileZilla's Forum and Wiki.

A Firewall is your first line of defense from outside attack on your computer. Thankfully, most any *buntu (U/X/Lubuntu) comes with a firewall; IPTables. The firewall is not turned on; that is for you to do. IPTables is managed (via command line) by what's called UFW; Uncomplicated FireWall. To make it even more uncomplicated, C4C includes **Gufw** for a nice graphical user interface. Gufw is free and open source software licensed under the GPL.

Pidgin is an Instant Messaging/Chat client that can simultaneously connect to a very wide range of services. Out of the box, Pidgin supports AIM, Bonjour, Gadu-Gadu, Google Talk, Groupwise, ICQ, IRC, MSN, MXit, MySpaceIM, SILC, SIMPLE, Sametime, XMPP, Yahoo! and Zephyr. Even more services are available with plug-ins. Pidgin also supports several native features of the other IM services; like buddy icons, smileys, typing notifications and file transfers. Pidgin is free and open source software licensed under the GPL. Learn more about Pidgin on their website; Pidgin.im.

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Thunderbird features tabbed mail view, filtering, message archiving, folders, smart folders, calendar and scheduler integration, themes, personas and add-ons. You can also use Thunderbird as an RSS and newsgroup reader. **Filter** email searches based on from, to, timeline, and attachments. Open multiple search keywords and jump between result tabs. **Smart Folders** can be used to combine your Inbox, Sent, and/or Archive folders from multiple email accounts. Create a **Virtual Folder** from your search conditions and edit the name and conditions. Load emails and searches in **Tabs**; reorder emails and search result tabs and drag them to different windows.

Reduce junk mail: Thunderbird has extensive, adaptive "junk" mail classification(s). *Train Thunderbird* to get rid of junk by using the "junk" and "not junk" buttons on incoming emails. Then use the Junk Mail Controls to make the process of moving spam to the junk mail folder automatic. Thunderbird also automatically blocks remote image requests unless and/or until you tell it not to, depending on the sender(s). And Thunderbird warns you when you click on a link in an email that will take you to a different Web site than the one indicated by the URL.

Note: Thunderbird supports POP and IMAP. You'll likely have an easier time using webmail with a web browser like Chromium (see above). To use webmail (AOL, GMail, Hotmail, Libero, mail.com, Yahoo) with Thunderbird, you'll need the WebMail add-on. Or, see more Thunderbird webmail solutions on this page.

Thunderbird is free, open source software licensed under the Mozilla Public License 2. Visit the Thunderbird Homepage. See Mozilla's Thunderbird Project Page. Don't forget the Thunderbird Add-ons Page.

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Transmission is a lightweight BitTorrent (file-sharing) client. It offers a simple GUI interface to download *and* seed (re-upload) torrent files, torrent file *creation*, encryption, a built-in web server (to remotely control Transmission), peer exchange, local peer discovery, magnetic links, queues, automatic port mapping, DHT, NAT-PMP, UPnP and µTP port forwarding, user-controlled global and per-file bandwidth limits, simultaneous multi-line trackers and more. All this this in an easy-to-learn, easy-to-use package that has a lower memory footprint than most any other BitTorrent client available.

Transmission is free and open source software licensed under the GPL and parts under the MIT License. Learn more on the Transmission Project official Homepage. Read How to Use BitTorrent in Linux on TECHSOURCE. Also see (on the Transmission homepage) the Forums the Wiki and Third Party Add-Ons.

***Other* Internet**

(*not included, but possibly useful to you*)

BitTorrent clients Bbom, BitStormLite, Bittornado, Deluge, Flush and qBittorent; E-mail clients Alpine, Claws Mail, Evolution and Sylpheed; Instant Messaging clients Empathy, Gajim, Kopete, qutIM and Swift; News Readers Lightread, NewsEngine, Tin, NewsMole and Pan Newsreader; FTP applications BareFTP and JFTP; RSS Readers Liferea, RSSOwl and Blam Feed Reader; and WYSIWYG HTML editors Amaya, Arachnophilia, BlueGriffon, KompoZer, OpenBexi and SeaMonkey.

Also see NetworkDevices on the Ubuntu Community Help Wiki.

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OFFICE

Document Viewer is Lubuntu's name for Evince - and it comes from their own motto; "Simply a Document Viewer." The stated goal of Evince is to replace the many other "portable" document viewers like gpdf and ggv with one, all-encompassing document viewer. Of course the main format most users need is *the* Portable Document Format, PDF. But Evince can also view djvu, dvi, ps, tif and xps documents and well as comic book formats; cb7, cbr, cbt and cbz.

Visit Evince's Live GNOME Home and FAQ. Evince is free and open source software licensed under the GPL. Another application included in the C4C Lubuntu ReSpin is called Xpdf; also free and open source software and also licensed under the GPL.

Note: Evince, Xpdf are PDF *viewers*. To *create* PDF files; the easiest option from most any application is Print-to-PDF. Many applications (some via plug-ins) export to PDF. *In LibreOffice Writer; Go to File --> Export as PDF*.

If you need to *edit* an already existing PDF file (meaning you don't have the original), there are applications that allow PDF editing / manipulation. Manipulate PDF files via the command line with PDFtk, or with a GUI interface with PDF-Shuffler. GIMP has native PDF support - *also see Patrick Nagel's solution for multi-page PDF documents here.* And LibreOffice has folded their PDF Importer into Draw, where most PDF files open and is editable.

If you want to use the closed source, proprietary, Adobe Reader to read (but not edit) PDF files, install acroread:

Go to **Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)**
Type: **sudo apt-get install acroread**

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GnuCash is financial software featuring double-entry accounting, checkbook styled register, scheduled transactions, reports, graphs and more. Easily import data from on-line bank statements and other software packages using HBCI, OFX and QIF files. GnuCash uses the double entry accounting system; you will always keep at least two accounts balanced. Transfers of money between accounts debit one and credit the other.

GnuCash divides financial data into files, accounts (checking, savings, credit cards, mortgage, loans...), and transactions (buying something, paying a bill, transferring money, depositing a check, withdrawing money...) stored as either a single XML file or SQL database (using SQLite3, MySQL or PostgreSQL) in five categories; assets, liabilities, equity, income and expenses. And GnuCash makes all this easy to set up and keep track of. You'll always have a good understanding of where you are financially.

GnuCash is free and open source software licensed under the GPL. The GnuCash.org website features an Online Help Manual and a Tutorial and Concepts Guide. You also may be interested in this in-depth and excellent Church Accounting Using GnuCash Series on Finance and Accounting for Churches Blog.

LibreOffice is a full-featured office suite of applications for text (Writer), spreadsheets (Calc), presentations (Impress), diagrams (Draw), and databases (Base). LibreOffice uses the ISO/IEC standard OpenDocument Format (ODF) as well as featuring *full compatibility* with literally dozens of other office suites (including Microsoft Office) and stand-alone applications. You can open, work with, save as, import and export to and from LaTex, HTML, StarOffice, PDF, WordPerfect, RTF, Google Docs, Xoho, WebDAV and much more.

Learn more at the LibreOffice Home. Check out Getting Started with LibreOffice from Open of Course, The Document Foundation's own Documentation as ODF and PDF files. Don't miss LibreOffice Extensions and LibreOffice Templates

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LIBREOFFICE VS MICROSOFT OFFICE

Microsoft file formats like doc and docx (Word), xls and xlsx (Excel), ppt and pptx (PowerPoint) can be opened, read, changed, and "saved as" in LibreOffice. However, the reverse is not always true. If the LibreOffice user plans to share files with a user of Microsoft Office (or, say print a file from work, turn in a school project electronically, or submit a resume in "Word"); they will probably need to "Save As..." their documents in corresponding Microsoft Office formats.

LibreOffice		**Microsoft Office**
Writer	>	Word
Calc	>	Excel
Impress	>	PowerPoint
Base	>	Access

THE "CORE" MICROSOFT FONTS

Special attention should also be paid to the fonts used in LibreOffice documents destined to be opened in Microsoft Office. The "core" Microsoft fonts of Andale Mono, Arial, Arial Black, Comic Sans MS, Georgia, Impact, Tahoma, Times New Roman, Trebuchet, and Verdana are not included. However, these are freely available and easily installed (if you installed the lubuntu-restricted-extras, you now have these fonts).

Go to **Menu** --> **Accessories** --> **LXTerminal (or Ctrl+Alt+T)**

Type (or copy and paste):

sudo apt-get install ttf-mscorefonts-installer[Enter]

You will be required to agree to the Microsoft EULA. **[Tab]** to **<OK>** then **[Enter]**. **[Left Arrow]** to **<Yes>** then **[Enter]**.

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Base is a powerful database application. Single users have access to the HSQL relational database engine with data stored in the BASE file. Wizards help in the creation of tables, queries, forms and reports. Power users can connect to almost any database with native support drivers for MySQL, Adabas D, JDBC, ODBC, MS Access and PostgreSQL. See the Base Homepage and Tutorials from GOFree, TechRepublic and a tutorial series on YouTube from piperweb.co.uk

Calc is the spreadsheet application for LibreOffice and offers flexible cell formatting options, multiple user support, security for files, over one million rows of data (if you need that many in one spreadsheet), plenty of mathematical functions and easy formula creation. Cross-tabulate, summarize, and convert raw data from other sources. Use templates (even those designed for other spreadsheet applications), wizards and more. There is even an *Intelligent Sum button* that inserts a sum function or subtotal, depending on the context. See the Calc Homepage, tutorials from GOFree and video tutorials from TheFrugalComputerGuy.

Draw offers import and export support for BMP, GIF, JPEG, PDF, PNG, TIFF, and WMF. It will also save projects as an SWF (Flash) file. Draw offers two and three-dimensional rotation; group, ungroup, regroup (and editing while graphics are still grouped); can use textures, lighting effects and transparency; can change perspectives, be used to make network diagrams and flowcharts; and features page sizes big enough to make posters. See the Draw Homepage, tutorials from GOFree and video tutorials from TheFrugalComputerGuy.

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Impress is used to make, import, export and manipulate all sorts of slide presentations. Use the multi-pane view, or separate drawing, handouts, notes, outline and slides view. Use an incredible selection of built-in transitions, 2D and 3D clip art, special effects, animation and more. Wow the church with a presentation you made in an hour. Besides it's own default file format (an open standard), Impress offers you the option to save as a Microsoft PowerPoint presentation, a PDF or even a Flash SWF file. See the Impress Homepage, an Impress tutorial from GOFree and video tutorials on YouTube from Ubuntu Basics.

Writer allows you to easily write papers featuring bibliographies, reference tables, and indexes. Writer features auto-correction, auto-completion, formatting, illustration and template use (even templates designed for other applications and office suites) and more. Collaborate with classmates, Bible study partners, or church groups with version tracking and the ability to record changes to a shared document. Password-protect your work, use macros, use Google Docs; export to PDF, HTML, publish to a blog, etc. See the Writer Homepage, 10 Essential LibreOffice Writer Tricks from TechRepublic, video tutorials from TheFrugalComputerGuy and tutorials in PDF from BVCC Schoolhouse.

***Other* Office**

(*not included, but possibly useful to you*)

CiviCRM - Constituent Relationship Management. A *web-based* solution designed specifically to meet the needs of advocacy, non-profit and non-governmental groups. ChurchInfo - A church database that runs on any computer or server supporting PHP and MySQL. Track members, families, groups, teachers, students, volunteers, guests, pledges, payments, donations... Firebird - Relational database offering many ANSI SQL standard features. gLabels Label Designer - Business card and label designer software for various laser/ink-jet peel-off labels with many available templates. GanttPV - Project Scheduling with Gnatt charts. Finally, there is a *web service* that converts documents to and from many different seemingly *unconvertable* formats: Zamzar.

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SOUND & VIDEO

GUVCView is the GTK+ UVC Viewer; providing a GTK+ graphical user interface for the support of USB Video Class devices [webcams usually]. GUVCView should recognize most any webcam and provide an introduction to it's controls.

GUVCView is commonly used to test webcams and in conjunction with things like Ekiga, FFmpeg, MPlayer, PiTiVi, Skype, Sonic-Snap, Ubuntu Studio and VLC (included). GUVCView is free and open source software licensed under the GPL. Learn more about GUVCView on it's SourceForge home. Linux UVC Driver and Tools Supported Devices. *Other, similar applications include Cheese and wxCam*

PulseAudio Volume Control is a proxy go-between for the hardware and the underlying kernel sound component that provides device drivers for sound cards; ALSA (Advanced Linux Sound Architecture). PulseAudio was added to ensure compatibility with the widest array of hardware (and software). PulseAudio is the easiest way for most users to control the volume on their computers.

But, if you need to access ALSA; go to
Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)
Type: **alsamixer**[Enter] or [return]

Move to each sound control in Alsamixer with the left and right arrow keys; the selected device will show red. There are usually too many devices to show in one window; keep hitting the right arrow key the first time through to see them all. As of ALSA 1.0.6 there are three different views: Playback [F3], Capture [F4] and All [Enter]. Adjust volume with the up and down arrow keys. "00" means no volume, "MM" means mute. Toggle mute/unmute with the [M] key. Exit, and return to LXTerminal by hitting the [ESC/esc] key.

PulseAudio Volume Control is free and open source software licensed under the GPL. *PulseAudio is free and open source software licensed under the LGPL.* More info on ALSA see the AlsaProject homepage, the ALSA Wiki and the man page.

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VLC is the jack-of-all-audio-and-video trades. To put it simply, VLC will play just about *anything* you throw at it. Some of the many features of this application include frame-by-frame advance, customizable toolbars, live recording of streaming video and support for skins. VLC will play various media included with C4Cs Lubuntu ReSpin; Christian Music MP3s, The Gospel of John and John 1, 2 and 3 Teachings on MP3 and the OGG formatted Christian Videos. It will also play a lot more. And you can record with VLC too.

Format support: 3ivX, AAC, AC3, Alaw/µlaw, Cinepak, DIVX, Dirac, DTS, DV, E-AC-3, FLAC, H.264, Indeo Video, MACE, Mod, MP3, MPEG, MP4, On2, Real Video, Theora, VC-2, Vorbis, WMV and more.

Projection: If you're using Impress, Lyricue, OpenLP, OpenSong, or datasoul in your church service, or other public event; don't miss out on the *video presentation* possibilities of VLC. Besides using hot keys to control video; you can also adjust video sharpness in real-time; magnify, zoom and rotate video; transform the view to different angles; use A/V sync and subtitle settings and add text and/or your church logo to the space you specify on the video.

More info: The VideoLAN Organization. See *Stream Videos and Music over the Network* on How-To Geek. At Unixmen read 25 things you can do with VLC and How to customize VLC hot keys. Read an Internet Radio wikiHow tutorial. To dynamically convert any iTunes Podcast to a "normal" RSS XML feed, visit Feed Flipper. Check out the Transcoding tutorial at GOFree.com. At Ben Rousch's Cluster of Bleep read Webcam Recording using VLC on Linux, see streaming how-to on YouTube here.

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Xfburn is lean, low-resource application to burn (re-)writable optical media; CDs and DVDs. It can create audio CDs, blank CD/DVD(-RW)s, create and burn iso images and data compositions. It'd a pretty simple burning app that works with most any burner. Xfburn is free, open source software licensed under GPL.

Other **Sound & Video Apps**

(*not included, but possibly useful to you*)

Ardour is a *professional digital audio workstation* for sound mixing and mastering. Unlimited audio tracks, buses, signal routing, and pre- and post-fader plugins. Non-destructive, non-linear editing with unlimited undo and integration with all JACK applications. Over 200 LADSPA & LV2 plugins. See the Ardour homepage *and / or take a look at other Digital Audio Workstations; LMMS, Renoise, Rosegarden, Qtractor and Traverso*

Audacity is an *audio recorder and editor*. Audacity can record live audio through a microphone, line input, or mixer. Visit the Audacity Homepage for more info, including how to install the manual. Audacity can also digitize recordings from cassette tapes, vinyl records, or mini discs; dub over existing tracks; record up to 16 channels at once; and *depending on your sound card*, record streaming audio. *Audacity is now included in the stock Lubuntu install*.

Christian Radio/Podcast - Radio/Podcasts: See christian-podcasts.com, check out iTunes Christian podcast list (use the free online tool Feed Flipper), the Icecast Christian list, the Live365 Christian list, the Pandora Christian list and the Shoutcast Christian list. Also check out these alternative radio and podcast players: RadioTray, KRadio, Pithos, streamtuner, and Tunapie

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datasoul - presentation/projection software: Allows video background from file or live from camera, can launch any external file such as presentations in PP, OOo, Flash, can provide a different output for pastor(s) and worship team, supports any display resolution incl. wide-screen. Visit the datasoul Homepage

Download & Convert Video - from sites like Dailymotion, Vimeo, YouTube... 4k You Tube to MP3 Converter, ClipGrab, DownVerter, Easy Youtube Video Downloader, Jdownloader and the website youtube-mp3.org

DVD creation and editing GUI applications: Cdw, DeVeDe, DVD Flick, and DVDStyler

Lyricue - presentation/projection software: use any image or video for backgrounds, display text over live video feed, automatically created Bible verse screens, live song edit, playlist edit / drag and drop support, live edit support, dynamically generated screens and more. Learn more at the Lyricue homepage and see the online user guide

Movie creation and editing applications: Cinelerra, Jahshaka, Openshot and PiTiVi

OpenLP - presentation/projection software: CCLI/SongSelect integration, themes, orders of service, announcement pop-ups, import Bibles from CSV files, preview songs, Bible verses and images. Add, edit and search songs for words or phrases. See more on OpenLPs website and see the online manual

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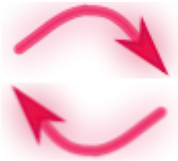
OpenSong - presentation/projection software: present any slide, in any order, as well as sets and timed loops. Keep track of a song's title, author, copyright, ccli #, tempo, time signature, theme, focus, capo position, user defined fields, etc. Visit the OpenSong Homepage and read the OpenSong Manual
Other Media Players - see Audacious, Clementine, Exaile, and DeaDBeeF

Other Related Info - see the Ubuntu Community Documentation for Multimedia Applications, and the Ubuntu Studio. Also, check out the little command-line utility Clamz for downloading MP3s from Amazon.com. And see the Shared Worship Background Graphics Group on Flickr



SoundConverter - converts all sorts of sound formats to AAC, MP3, FLAC, WAV and OGG Vorbis (and can play many more). See their website

Sound Recording - see Ubuntu Community Documentation Audio Capture, PulseAudio Wiki, Multimedia Applications and What is Jack?

Transmageddon is a video transcoder that converts video (and audio) files including AVI, FLV, WMV and more. Transmageddon homepage

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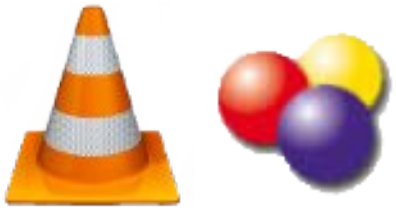
VIDEO

Feature length movies, public domain videos, independent films, documentaries, television shows and more are streamed *completely free*. See Christian sites like The Christian Social Network Ministry, eBible Movies, Gideon Champion, GodTube, Jesus Every Day and Watch Bible Movies. Free secular sites include Crackle, The CW Network, The Internet Movie Archive, Movies Found Online, PBS Video, popcornflix.com and Top Documentary Films.



To easily view video online; you'll likely need to install *non-free* software like Adobe Flash, the Encrypted Media Extension, the Hardware Abstraction Layer and Google Chrome. You may also need to accelerate your hardware.

Note: Older hardware may not have enough CPU power to handle receiving and playing video at the same time. You may try streaming *through* VLC, or *downloading video first* and playing it *later* with VLC.

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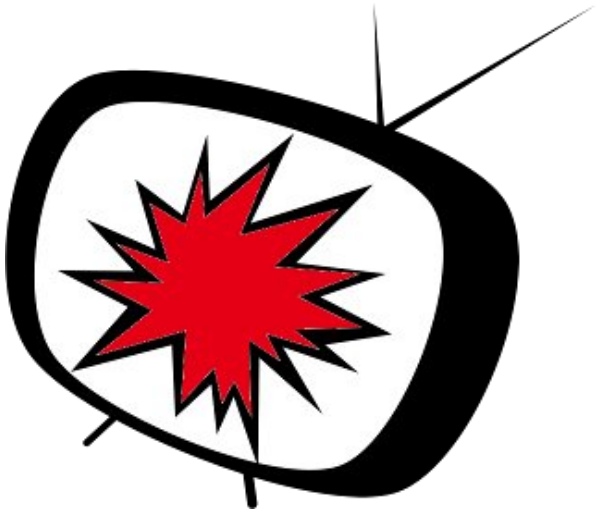

INSTALL ADOBE FLASH

Adobe Flash is the non-free software for playing Flash Games (SWF files) and Flash Movies (FLV files) on the web.

> Go to **Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)**
> Type (or copy and paste):
> **sudo apt-get update && sudo apt-get install flashplugin-installer[Enter] or [return]**

Some free *and non-free* fonts Flash may use:

> Type (or copy and paste):
> **sudo apt-get install ttf-dejavu ttf-xfree86-nonfree -y[Enter] or [return]**

Microsoft fonts may be used by Flash as well:

> Type (or copy and paste):
> **sudo apt-get install ttf-mscorefonts-installer -y[Enter] or [return]**

EULA for Microsoft fonts: Hit [Tab] to select <OK>, [Enter] to "press" <OK>, left arrow to select <Yes> and [Enter] to "press" <Yes>.

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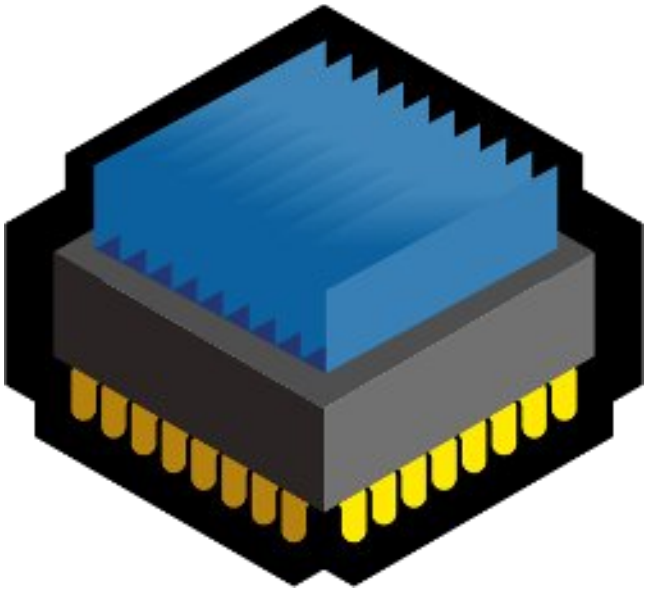
ACCELERATE HARDWARE

If Adobe Flash is using too much CPU power, the video or game play is "choppy," or the sound and picture are out of sync; you may try *accelerating* your hardware.

See what video card is on your system. Go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T). Type (or copy and paste): **sudo lshw -c video**



Intel *with the* ***Intel*** *drivers*
sudo apt-get install i965-va-driver
sudo add-apt-repository ppa:nilarimogard/webupd8
sudo apt-get update
sudo apt-get install libvdpau-va-gl1
sudo sh -c "echo 'export VDPAU_DRIVER=va_gl' >> /etc/profile"
sudo mkdir /etc/adobe
sudo echo -e "EnableLinuxHWVideoDecode = 1\nOverrideGPUValidation = 1" |
sudo tee /etc/adobe/mms.cfg

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AMD *with the* ***radeon*** *driver*
sudo add-apt-repository ppa:oibaf/graphics-drivers
sudo mkdir /etc/adobe
sudo echo -e "EnableLinuxHWVideoDecode = 1\nOverrideGPUValidation = 1" |
sudo tee /etc/adobe/mms.cfg

AMD *with the* ***fglrx*** *driver*
sudo apt-get install xvba-va-driver
sudo add-apt-repository ppa:nilarimogard/webupd8
sudo apt-get update
sudo apt-get install libvdpau-va-gl1
sudo sh -c "echo 'export VDPAU_DRIVER=va_gl' >> /etc/profile"
sudo mkdir /etc/adobe
sudo echo -e "EnableLinuxHWVideoDecode = 1\nOverrideGPUValidation = 1" |
sudo tee /etc/adobe/mms.cfg

Nvidia *with the* ***Nvidia*** *driver*
sudo apt-get install libvdpau1 vdpau-va-driver
sudo mkdir /etc/adobe
sudo echo -e "EnableLinuxHWVideoDecode = 1\nOverrideGPUValidation = 1" |
sudo tee /etc/adobe/mms.cfg

Reboot.
Hardware video acceleration instructions were compiled here.

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DISABLE* HARDWARE ACCELERATION *IN FLASH

In most cases, *Adobe Flash's* hardware acceleration does more harm than good. Disable it by right-clicking on any Flash video *while it's running*. Choose "Settings..."

Go to the first tab on the bottom of the dialogue box. *Un-check* the check box to "Enable hardware acceleration." Click the "Close" button.

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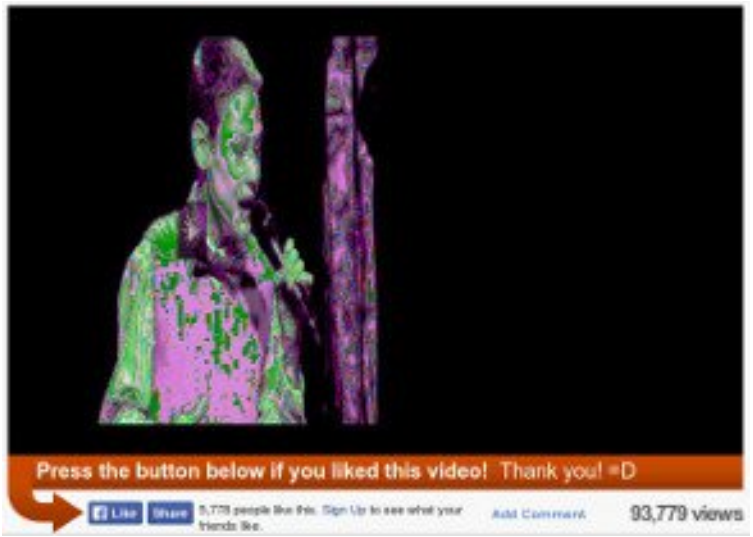
FLASH ON INTEL

If you installed Adobe Flash on a machine with **Intel video** and Flash either isn't working, or is working poorly (*To see what video card you have, go to Menu --> Accessories --> LXTerminal or Ctrl+Alt+T and type:* ***sudo lshw -c video***) try **XorgEdgers**.



To install XorgEdgers; go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T). Type (or copy and paste):

sudo apt-add-repository ppa:xorg-edgers/ppa && sudo apt-get update && sudo apt-get dist-upgrade -y

Then make an xorg.conf file with the VideoRam buffer size;

sudo lspci -vv | grep Region

and you'll see something like:

Region 0: Memory at d8000000 (32-bit, prefetchable) [size=256M]
Region 1: Memory at e0380000 (32-bit, non-prefetchable) [size=512K]

A bit of math: convert the first value in Kb (in this example 256*1024=262144) then subtract the non-prefetchable value (the largest you find if more than one)

256*1024=262144 *then* 262144-512= 261632 *or*
128*1024=131072 *then* 131072-512= 130560

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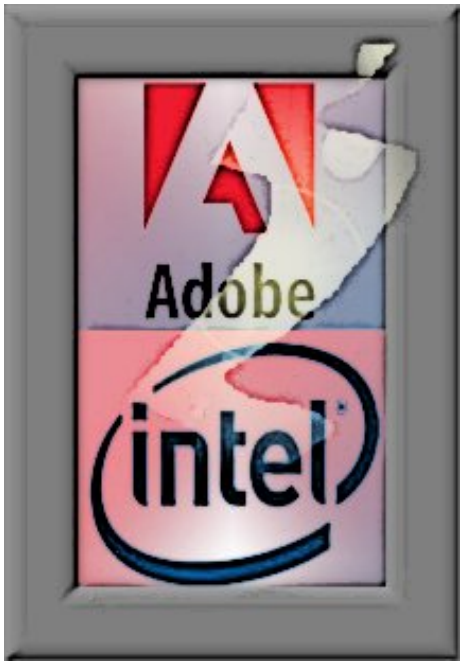

Type (or copy and paste):
gksu leafpad /etc/X11/xorg.conf

then type in one of the following for UXA:

Section "Device"
Identifier "Intel Graphics"
Driver "intel"
Option "AccelMethod" "uxa"
VideoRam 261632
EndSection

or

Section "Device"
Identifier "Intel Graphics"
Driver "intel"
Option "AccelMethod" "uxa"
VideoRam 130560
EndSection

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or for SNA, just change AccelMethod:

Section "Device"
Identifier "intel"
Driver "intel"
Option "AccelMethod" "sna"
VideoRam 130560
EndSection

Save. Reboot. Flash should work (better).

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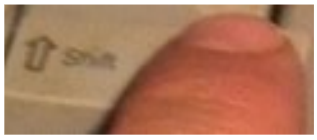
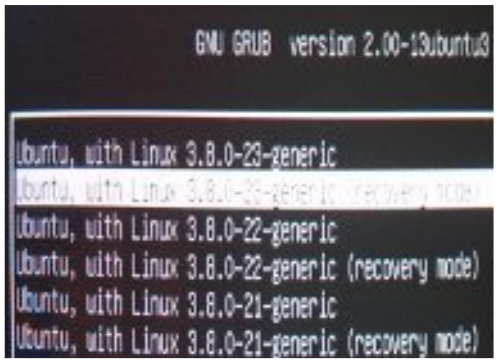
Troubleshooting XorgEdgers

If the AccelMethod is wrong (UXA instead of SNA, or vice-versa), you'll end up with a black screen (or just a white cursor on a black background) upon reboot because X cannot render the Desktop. If that happens, fix the AccelMethod (or your math) before the Desktop renders:



1. Upon booting, or re-booting the computer; hold the [Shift] key down until you see the Boot Menu (GRUB). *Lubuntu and the C4C Lubuntu ReSpin are both referred to in GRUB as just "Ubuntu."*

2. Arrow down to **Advanced Options for Ubuntu** [Enter]



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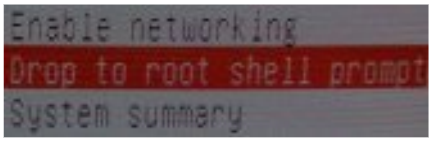
3. On the second GRUB page, arrow down to
Ubuntu, with Linux X.X.XX-XX-generic (recovery mode) [Enter]
If there is more than one, select the top (latest) one.



4. Arrow-down to **Drop to root shell prompt** [Enter]
The Recovery Menu will still be visible on the screen and the "#" prompt (root) will appear directly below it.

5. Type: **mount -o rw,remount /** [Enter]
This makes the drive read-write instead of read-only.

6. Then type: **sudo nano /etc/X11/xorg.conf** [Enter]
This will show the xorg.conf file you made earlier. Change "uxa" to "sna" (or vice-versa) – or, the VideoRam number if you did your math wrong.

Ctrl+O [Enter] to *Save*, **Ctrl+X** [Enter] to *Exit*. Back at the "**#**" prompt, type: **exit** [Enter]. At the **Recovery Screen**, select **Resume Normal Boot**.

Flash on Intel instructions were compiled here.

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SUBSCRIPTIONS

On-demand digital streaming is readily available for those that already (or want to) pay for the privilege to subscribe. Many sites offer up instant video protected with DRM (Digital Rights Management). The secret to getting Amazon Prime instant video (and several other DRM-protected services such as Hulu) to work via Adobe Flash is called HAL; the Hardware Abstraction Layer.

To install HAL: go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T). Type (or copy and paste):

sudo add-apt-repository ppa:mjblenner/ppa-hal -y
sudo apt-get update && sudo apt-get install hal libhal1 -y

Set up **Amazon Prime instant video** to play in the **Firefox Web Browser**

http://computers4christians.org/FAQ/OS/HowTo/media/on-demand/amazon-prime-instant-video.png

Save the image above (**amazon-prime-instant-video.png**) into a folder named **amazon-prime-video**. *Cut* the folder and back in LXTerminal, type (or copy and paste): **gksu pcmanfm**. When the File Manager appears, View files in a Directory Tree. Navigate to **usr/share/icons** and *paste* the folder.

Right click an empty space and choose **Create New... Empty File** from the drop-down menu. Enter **amazon-prime-video.desktop** in the text box and click the ”OK” button. Right-click the blank file you just made and open it with Leafpad. Copy and paste the following:

[Desktop Entry]
Name=Amazon Prime Video
Exec=firefox -new-window https://www.amazon.com/gp/video/primesignup/
Comment=Amazon Prime instant video
Icon=/usr/share/icons/amazon-prime-video/amazon-prime-instant-video.png
NoDisplay=false
Categories=GTK;Qt;AudioVideo;Player;Video;
Type=Application

Save. “X” out of the shortcut. *Cut*, go to **/usr/share/applications** and *paste*.

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PURE | FLIX features Christian and family movies, animation, documentaries, education, health & fitness and more. https://www.pureflix.com/users/sign_in

Set up **PURE | FLIX** to play in the Firefox Web Browser

*Save the image above (**Pure-Flix.png**) into a folder named **pureflix**. Cut that folder, go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T). Type: **gksu pcmanfm**, View files in a Directory Tree. Paste the **pureflix** folder into **usr/share/icons**.*

*Right click an empty space and choose **Create New... Empty File** from the drop-down menu. Type (or copy and paste) **pureflix.desktop** in the text box and click the "OK" button. Right-click the blank file you just made and open it with Leafpad. Copy and paste the following:*

```
[Desktop Entry]
Version=1.0
Terminal=false
Type=Application
Name=Pure Flix
Exec=firefox -new-window https://www.pureflix.com/users/sign_in
Categories=GTK;Qt;AudioVideo;Player;Video;
Icon=/usr/share/icons/pureflix/Pure-Flix.png
Name[en_US]=Pure Flix
```

Save. "X" out of the shortcut. *If using a television as a (second) monitor, leave the shortcut on the Desktop for easy access*. To add the shortcut to the menu; *Copy* or *Cut* the shortcut. Go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T) and type: **gksu pcmanfm** and View files as Directory Tree. Go to **/usr/share/applications** and *paste*.

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*Set up **Netflix** to play in the **Google Chrome** Web Browser* as it's currently the only browser with support for the *Encrypted Media Extension* (containing the specific DRM tools needed by *Netflix*).

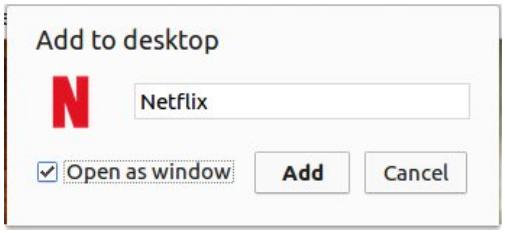
cd /tmp

[*32-bit machines*]
wget https://dl.google.com/linux/direct/google-chrome-stable_current_i386.deb
[*64-bit machines*]
wget https://dl.google.com/linux/direct/google-chrome-stable_current_amd64.deb

sudo apt-get update && sudo apt-get install libappindicator1

[*32-bit machines*]
sudo dpkg -i google-chrome-stable_current_i386.deb
[*64-bit machines*]
sudo dpkg -i google-chrome-stable_current_amd64.deb

Open Google Chrome from Menu --> Internet --> Google Chrome
Load the Netflix *login* webpage https://www.netflix.com/Login?locale=en-US
Go to Options --> More Tools --> Add to Desktop...
Check the “Open as window” check box and click the “Add” button.



Note: No need to make a menu shortcut. An automatically created Netflix shortcut will be in a new (non-matching) sub-menu called “Chrome Apps.”

Default Browser

Google Chrome “takes over” as the default browser even when you ask it not to. To revert back to Firefox as default, go to Menu --> Accessories --> LXTerminal or [Ctrl]+[Alt]+[T] and then type:
sudo update-alternatives --config x-www-browser

Type: **1** [Enter]

The number is whatever number is listed to the left of Firefox. It could be a different number depending on which and how many browsers you've installed.

Default Web Browser Info from:
http://newtips4u.com/how-to-change-priorities-of-x-www-browser/

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Parables is a streaming and on demand Christian television network. Go to https://parables.tv/login Set up **Parables** to play in **Firefox**

http://computers4christians.org/FAQ/OS/HowTo/media/on-demand/parables.png

Save the image above (parables.png) into a folder named **parables-tv**. *Cut* that folder, go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T). Then type: **gksu pcmanfm**, View files in a Directory Tree. *Paste* into **usr/share/icons**.

Right click an empty space on the desktop and choose **Create New... Empty File** from the drop-down menu. Enter **parables.desktop** and click ”OK.” Right-click the blank file and open it with Leafpad. Copy and paste the following:

```
[Desktop Entry]
Version=1.0
Terminal=false
Type=Application
Name=Parables
Exec=firefox -new-window https://parables.tv/login
Categories=GTK;Qt;AudioVideo;Player;Video;
Icon=/usr/share/icons/parables-tv/parables.png
```

Save. “X” out of the shortcut. *Cut*, go to **/usr/share/applications** and *paste*.

OTHER STREAMING OPTIONS

Other popular paid streaming, on demand and pay-per view services include 4oD, BBC, Demand 5, Hulu, ITV, Sky Go, TVCatchup, Xfinity On Demand and YouTube On Demand (you will undoubtedly need HAL for many of these). Use the examples above for a guide to making shortcuts for whatever service(s) you use. If any shortcut menu entry you made doesn't appear in the menu right away, type **lxpanelctl restart** in LXTerminal, or log out and log back in. And you can leave (a) shortcut(s) on the the desktop too; useful if you've hooked up a television as a second monitor. *You may also opt to turn your entire computer into an "entertainment appliance" with Kodi (formerly XBMC)*.

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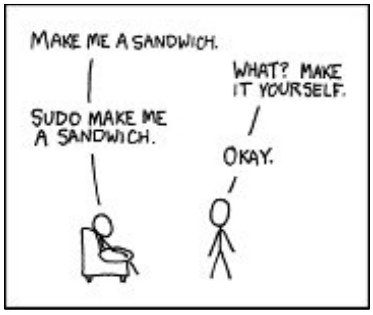
USER

You (and anyone else who uses your computer) are a user. By default, a user's files are only accessible by that user. Different users have different access to files, applications, and directories (folders). A ***user account*** *is the sum total of the applications and files used to create the environment a user logs into.*

A ***username*** *identifies your user account to yourself (and to other users). It's the name you log in with and the directory you own; /home/username. Your username is a member of certain groups. The groups to which your username belongs tells the system what permissions you have with what (kinds of) files.*

Root is the system administrator. It has permissions to access *all* commands and files on the system. Root has the ability to modify everything in the system and control permissions for any user; including itself.

To protect the system from potentially harmful commands, the root account is locked. A user has *temporary* access to the root account by prepending a command that requires *root priveledges* with the word **sudo** (SuperUser). *Sudo asks for the user's* ***password*** *before executing the command*.



See the definition of root at the Linux Information Project and RootSudo on the Ubuntu Community Help Wiki.

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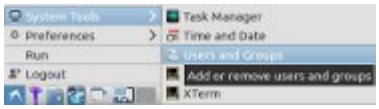
ADD USER

1. Go to **System Tools --> Users and Groups**



2. Click **Unlock** and enter your password

3. Click the **Add User** button and fill in the appropriate information.

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4. Not *everything* is required - the important fields are the **username** in *lowercase letters*, **full name** (or, long name - usually the user's own real name) and a good strong **password**.

Decide what privileges the new user will have.

5. Click the **OK** button.

More: Automatically Login [Fun with Ubuntu], Automatic Login [ITWorld], Automatic Login [Ubuntu Community Help Wiki], Autostart Applications [Fun with Ubuntu], Autostart App When Logging in [Ubuntu Community Help Wiki], Change Login Screen (LightDM) Background [Ubuntu Community Help Wiki], Disable Automatic login [Ask Ubuntu], Panels & Autostart [Linux LXDE Guide], Wifi Auto-start after an auto-login [Fun with Ubuntu]

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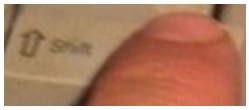
PASSWORD

Lubuntu requires a minimum password length of 4 characters. It's a common idea that to make a secure password; you'll need to double that minimum password length and include a mix of numbers, letters and special characters [example: g4#wP8j$]. *That's the sort of password you get from us*.

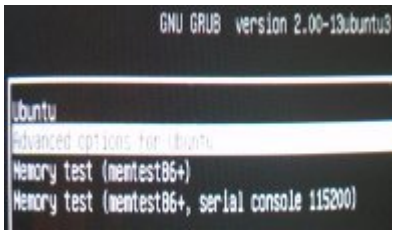
However; you may want to read How to create a strong password (and remember it) from Consumer Reports and Password Haystacks: How Well Hidden is Your Needle? from the Gibson Research Corporation.

CHANGE THE PASSWORD

To change the password for a Lubuntu user, you must boot, or re-boot into **Recovery Mode**. *Note: Lubuntu is referred to in GRUB as "Ubuntu."*



1. Upon booting, or re-booting the computer; hold the [Shift] key down until you see the **Boot Menu** (GRUB).



2. Arrow down to
Advanced Options for Ubuntu
Hit [Enter]

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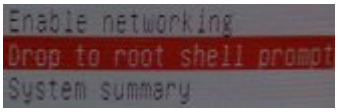
3. On the second GRUB page, arrow down to
Ubuntu, with Linux X.X.XX-XX-generic (recovery mode)[Enter]
If there is more than one recovery mode line, select the top (latest) one.



4. In the Recovery Menu, arrow-down to:
Drop to root shell prompt
Hit [Enter]
The Recovery Menu will still be visible on the screen and the "#" prompt (indicating you are root) will appear directly below it.

5. Type:
mount -o rw,remount /[Enter]
This makes the drive mount as read-write instead of read-only.

If you *forgot your username*,
type the following to see a list of users:
ls /home[Enter]

6. Type:
passwd *username*[Enter]
Notice there is no letter "o" or letter "r" in passwd.

Example:
To change the password for matthew, type:
passwd matthew[Enter]

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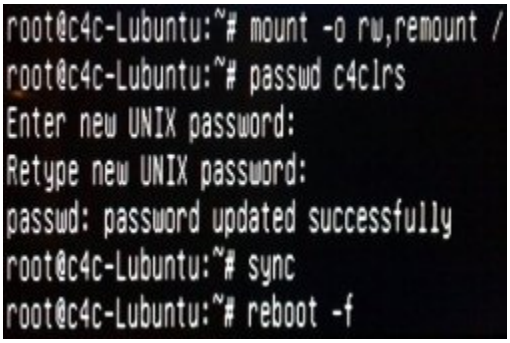
7. *Without* asking for the old password, Lubuntu will prompt you for the new password. The minimum password length is 4 characters.



When you've typed in the new password, press [Enter]. You'll be prompted to retype the password. Again, you *won't* see the new password as you type. Press [Enter].

8. Type:
sync[Enter]

9. Type:
reboot -f[Enter]

MORE: Password and Name Changes and Auto-Login [Linux LXDE Guide], Protect Linux Servers Physical Console Access [nixCraft], Remote Desktop/VNC [Ubuntu Community Help Wiki], Virtualbox Guest Additions onto a Lubuntu Virtual Machine [Ubuntu Community Help Wiki]

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FONTS

A font is a *specific size and style of type within a type family* [WordNet-Online]. There are tens of thousands of font families and perhaps hundreds of thousands of individual fonts (nobody really knows for sure). Your operating system came with several fonts pre-installed. Keep reading to learn more about getting and installing more fonts and fonts in general.

SERIF & SAN-SERIF

Serifs are the small projected features of type; the lines at the base of the letters and at the ends of the shape that forms the letters. Serif fonts are commonly used on printed material with lots of type; such as a newspaper, or a novel. San-serif fonts are ones *without* projected lines. San-serif type is common on web pages (like this one) and on printed material like billboards, posters and newspaper headlines. An easy way to remember the difference between the two is to think of serif type as the ones "with feet," and san-serif as the ones "without feet."

FONT FORMATS

There are a myriad of font formats including FreeType, OpenType (OTF), the Web Open Font Format (WOFF) and *many* more [see Wikipedia]. The "TrueType" font format (TTF) was the defacto-standard, but now has now been largely replaced by OpenType (OTF). **So, your always fairly safe installing TTF and/or OTF fonts**. *Also, many websites will offer only Windows or Mac downloads. In those cases (without going into an even longer explanation), it is usually easier for the Lubuntu user to choose the Windows version*.

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GET FONTS

FREE FONTS!

Just because a font (or collection of fonts) is free, doesn't mean it's not copyrighted. It is unethical and illegal to violate someone's copyrighted work. Most fonts come with some sort of license. *Though that license may give you unrestricted use of the font, many don't*.

Commercial fonts, and even many non-commercial fonts come with a EULA (End User License Agreement). Some of those EULAs have restrictions on your use of the fonts you may never have thought of.

Read The Law on Fonts and Typfaces *at crowdSPRING,* Font Licensing *at the Free Software Foundation and* Free Fonts: Free is not always Free *on The FontFeed.*

APT-GET
Many font *collections* are available through apt-get. *There are hundreds of fonts available this way*. The first thing to do is enable the partner repositories.

> Go to **Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)**
> Type (or copy and paste):
> **sudo add-apt-repository "deb http://archive.canonical.com/ $ (lsb_release -sc) partner"[Enter] or [return]**

You can get a list of installable fonts through apt-get by searching for packages beginning with ***fonts-*** *or xfonts-*

> For most font collections, type (or copy and paste):
> **apt-cache search fonts | grep '^fonts-'[Enter] or [return]**
> and/or for Console fonts
> **apt-cache search fonts | grep '^xfonts-'[Enter] or [return]**
>
> Then **sudo apt-get install *fonts-name-of-collection***

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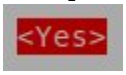
Some of the many font collections:

fonts-beteckna (San-Serif TrueType Futura *Like* Font)
fonts-breip (Handwriting Font)
fonts-dustin (Various TrueType Fonts)
fonts-larabie-deco (Decorative Fonts)
fonts-larabie-straight (Straight Fonts)
fonts-larabie-uncommon (Uncommon Fonts)
fonts-liberation (Times, Arial and Courier *Like*)
fonts-pecita (Handwriting Connected-Letter Font)
fonts-tomsontalks (Comic Letters)

The "core" Microsoft *non-free* font collection (including fonts you may love or hate, but may want to install for others' sake: Andale Mono, Arial, Arial Black, Comic Sans MS, Georgia, Impact, Tahoma, Times New Roman, Trebuchet, Verdana and more) is available through apt-get too. **sudo apt-get install ttf-mscorefonts-installer** During installion; you will be greeted with a impossible-to-ignore EULA agreement.

[Tab] to <OK> then [Enter]

[Arrow Left] to <Yes>



[Enter]

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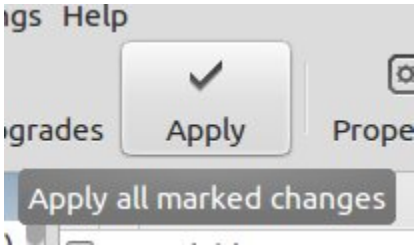
SYNAPTIC

Over 500 font packages are available through the Synaptic Package Manager. Click the ones you want (or want to try) and select "Mark for Installation." If you agree to install the fonts you've chosen, hit the "Apply" checkmark.



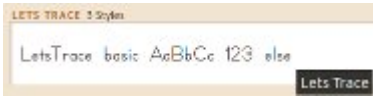
INTERNET

Thousands upon thousands of fonts are available on the Internet. There are many, many websites that specialize in Fonts. Commercial pay-for fonts to absolutely no-restrictions public domain fonts and *everything* in between.

*Many websites featuring downloadable fonts and font families only offer a choice between Windows and Mac (no GNU/Linux/*buntu).* ***Compatibility with Lubuntu is most assured (easier) with Windows TTF or OTF fonts.***

The following is a *sample* of free font sites available:

1001 Free Fonts
Abstract fonts
dafont
delubrum.org
Font Squirrel
Free and Open Source Fonts
Free Font Manifesto
Google Fonts
Lost Type Co-Op
Open Font Library
We Love Icon Fonts



The fonts you download from a website will appear in your Downloads folder, on your Desktop, or wherever else you specify. ***Where to put fonts*** **to make your system see them is discussed at length on the next page.**

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FONTS FOLDER

To install fonts for ***all users***, press Alt+F2 and type (or copy and paste):
gksu pcmanfm /usr/share/fonts

The **fonts** folder will open. You should already see folders inside **fonts** for TrueType fonts and others.

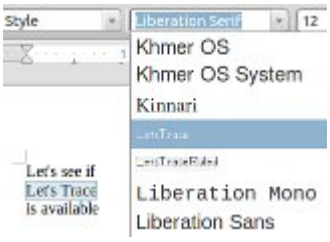
Alternatively, go to

Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)
Type: **gksu pcmanfm**

This will allow you to work with the files as root

and navigate to **/usr/share/fonts**

You may create folders *anywhere* inside the **fonts** folder, inside the already existing folders and inside each other. As long as your fonts are somewhere in the **fonts** folder, they will be available to all users.



If you don't see the new fonts immediatly available in whatever application you are checking them out in, you may need to restart that application. Alternatively, you may

> go to **Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)**
> and Type (or copy and paste): **fc-cache -fv**

or, if all else fails; log out and log back in.

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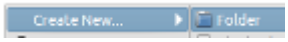
.FONTS FOLDER

This is different. A hidden folder only visible when you choose to show it and other hidden folders. The dot fonts folder (**.fonts**) is one you create to make fonts inside of it available only to ***that user***.

Make the .font folder
Open Home / File Manager / PCManFM
and either



go to **File --> Create New... Folder**
and name the file ***.fonts***

or

Right-Click on an empty space and choose
Create New... --> Folder
and name the file ***.fonts***

or

press **Shift+Ctrl+N**
and name the file ***.fonts***

or

go to **Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)**
and Type (or copy and paste): **mkdir ~/.fonts**.

To see this folder, you must go to **View --> Show Hidden**

More: Change Font Size in Interface from the Ubuntu Community Help Wiki.

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PRINT

Adding a printer to your Lubuntu computer/system/network is fairly straight-forward. First; make sure the printer itself is plugged-in, connected to the computer and/or network, has paper and is powered-on.

UNDER THE HOOD

CUPS, Foomatic and more: CUPS manages print jobs and print queues with the Internet Printing Protocol (IPP) and a basic set of PostScript Printer Description (PPD) files. *CUPS also features auto-detection of most any network printer*. Foomatic is a filter that rides on top of CUPS; providing it the newest PPD files to describe printer capabilities. *Foomatic parts are also included in applications like GIMP and LibreOffice*. **CUPS and Foomatic work together to cover almost any printer you could add**.

Still though, some HP Printers do better with their own **HPLIP** system installed (download it here). Other Printer manufacturers like Brother, Canon, Lexmark, Samsung and Xerox have non-free drivers and plug-ins they would prefer you use as well. See the Ubuntu Community Documentation about them here.

LINKS

Check the Hardware Support Components - Printers page at the Ubuntu Wiki. See if your printer is listed in the OpenPrinting DataBase from LinuxFoundation. See the Foomatic Man Page and see the latest posts # tagged with Printer on the Ubuntu Community Forums

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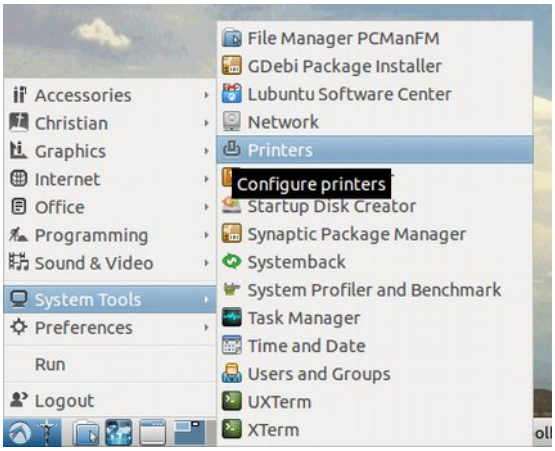
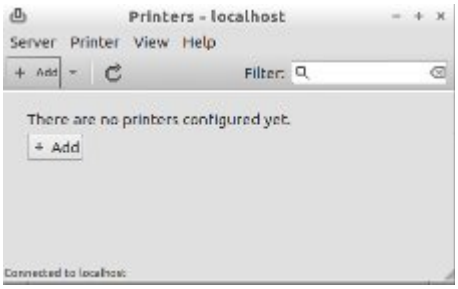
PRINTERS



Once the printer itself is plugged-in, connected to the computer and/or network, has paper in it and is powered-on; go to **Menu --> System Tools --> Printers**



Click the "+ Add" button and let Lubuntu recognize the signal from the printer.

Choose your Printer's Manufacturer and click the "Forward" button.

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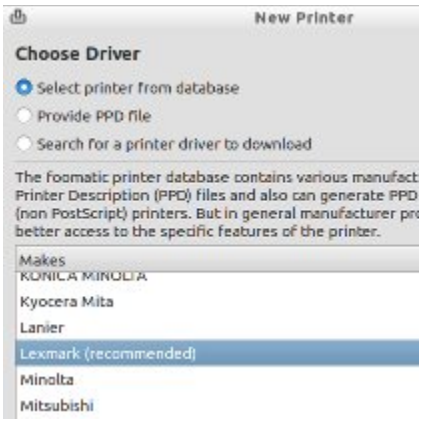
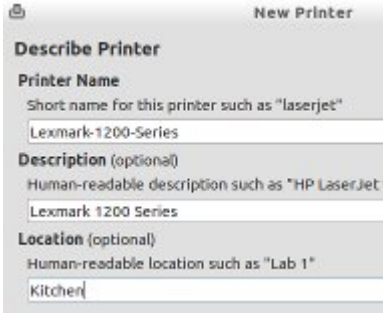
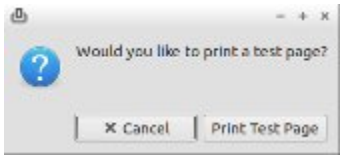


Select the "(recommended)" driver from Foomatic's large database. *You may also choose to use a PPD (PostScript Printer Description) file you found yourself, and/or search for another driver.*

Choose the printer/model and click the "Forward" button. You might not find your exact printer model; but many times choosing one close, or in the same series will be good enough. *If things don't work as well as they should, you can always delete the printer later and start over with a different driver/PPD file.*



Describe the printer. The "human-readable" text is whatever will make you / your family / your lab / office personnel recognize this printer and it's location. Click "Apply."



You will be asked if you'd like to **print a test page**. Right-click the icon of the printer and choose "Default Printer" from the drop-down menu. *This will have*

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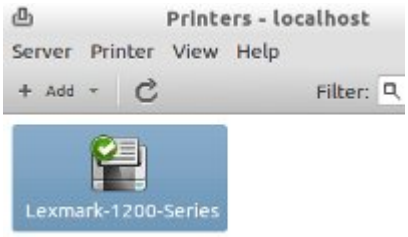
been done for you if it's the only or first printer installed.



The emblem of a green circle with a white checkmark inside will appear on the icon indicating this printer is "Default." This means you won't have to specifically choose this printer from a list every time you print.

TROUBLE-SHOOTING
Right-click the printer icon and choose "Properties" from the drop-down menu to make changes to the configuration. *You may also choose to **delete** the printer and **start over**. You may have to do that anyway for changes to take effect*.

Also check that you (the user) is allowed to configure printers:

Go to **Menu --> System Tools --> Users and Groups**
Click the "Advanced Settings" button
Select the "User Privileges" tab
Ensure the "Configure Printers" checkbox is checked

Ensure the user is a member of the lpadmin group
Still in **Users and Groups**
Click the "Manage Groups" button
Ensure "lpadmin" appears in the list.
If it doesn't; click the "Add" button and add it.

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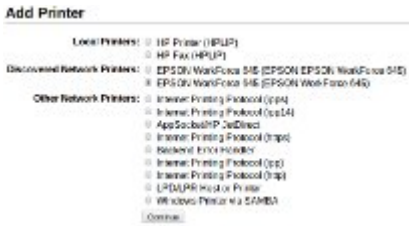
NETWORK

CUPS stands for Common Unix Printing System. Since CUPS is the underlying technology for the printing system; it is usually the best way to add and manage a Networked Printer. For our example we hook up an Epson WorkForce printer.

CUPS has a web browser interface. Simply type **http://localhost:631/** in Firefox (or other web browser) and hit [Enter].

Under the "Administration" tab, click the "Add Printer" or "Find New Printers" button.



CUPS automatically detects most network printers including this one.

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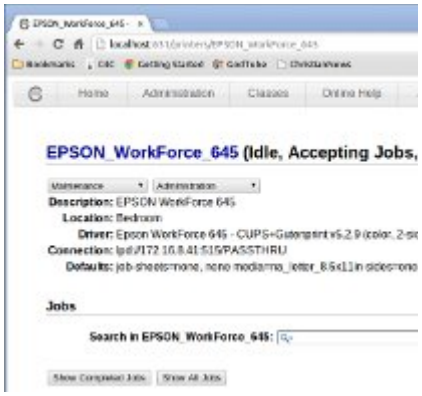
Describe the printer in "human-readable" text. *Whatever will make you / your family / your lab / office personnel recognize this printer and it's location*.

Select a print driver from CUPS' large database.

Select the default options for the printer (cover sheet, header, footer, color, black and white, greyscale, single-sided, duplex, Letter, Legal, etc.).



LINKS

CUPS Homepage, CUPS Documentation. See the OpenPrinting CUPS Quick Start. See the CUPS Print Server from the Ubuntu Server Guide. See the CUPS Troubleshooting Guide from OpenPrinting.org. See Remote Access to CUPS, from This Might Be Helpful, and Linksys - Static IP for Printer while using DHCP on Wireless Network from Watching the Net.

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SHARING

Sharing a Lubuntu-connected printer with other computers.

Right-click the **icon** of the **printer**. From the drop-down menu, go to **Properties --> Policies**. Check **Enabled**, **Accepting Jobs** and **Shared**

Then, go to **Administration --> Printing --> Server --> Settings**. Check **Publish Shared Printers Connected to this System**

I*f you plan on sharing with Windows*: install **SAMBA**
Go to **Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)**
At the prompt, type:
sudo apt-get install samba smbfs[Enter] or [return]

LINKS

See Sharing Printers with Ubuntu and a Firewall from Reformed Musings. See the Sharing Printer on Ubuntu Linux with Windows Tutorial at Unixmen. Read How to Share Printers Between Windows, Mac and Linux PCs on a Network from How-To Geek. Check DIY: Quick and easy Samba Print server setup from Tech Republic and Easy File Sharing Between Windows and Linux from Geek Domain. See the Official Samba4 HOWTO at Samba.org. See the Samba Ubuntu Community Help Wiki Documentation.

More Information

See Configure a Static IP in Ubuntu at SpiceWorks, Configuring Network WiFi Printer from Ubuntu with DHCP at superuser, Copying a Printer Defenition File Between Systems from Hacker Public Radio, CUPS Homepage, CUPS Documentation, Have Ubuntu Server hand out “static” or “fixed” addresses via DHCP at aaron-kelly.net, FTP Home Computer Network at Linux LXDE Guide, Linux DHCP Server Configuration at YoLinux.com, InternetAndNetworking [Ubuntu Community Help Wiki], Network Sharing, Printers & Wireless [Linux LXDE Guide] and What is DHCP and how to configure DHCP server in Linux at linuxcareer.co

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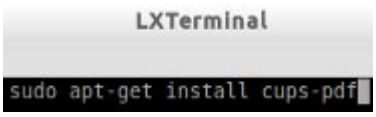
PRINT TO PDF

Print to a PDF file from virtually any application on your computer.

Option 1: Install CUPS PDF

Go to **Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)**
Type: sudo apt-get install cups-pdf[Enter] or [return]

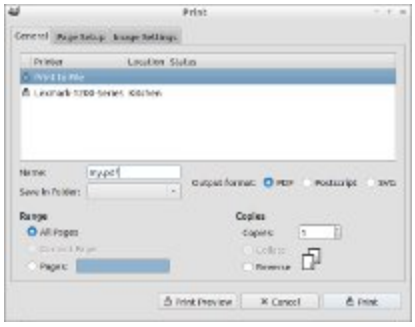


Now Printers will show a PDF printer and you can choose it from any application that allows printing.

CUPS-PDF will automatically place a PDF folder in home as soon as you Print to PDF the first time.

Option 2: Print to File

Choosing “print” from many applications will show Print to File options that include PDF.



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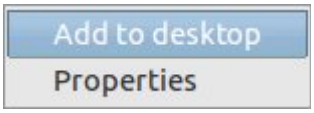
SHORTCUTS

.desktop entry files, also *known as Launchers, or Shortcuts*, are Lubuntu's way of making things quickly accessible. You can make a .desktop entry file on the Desktop itself, in the Menu, in a panel, etc. *In fact, everything in the Main Menu and in the LXPanel is actually a link to a .desktop entry file.* It's not difficult to add your own .desktop files, or change those that already exist.



For a quick and easy desktop shortcut to an application already in the menu; right-click the application's menu listing and from the drop-down menu that appears choose "Add to desktop." For our first example, we create a Desktop Application Shortcut to Pidgin. Double-clicking the shortcut (.desktop entry file) will open Pidgin Instant Messenger.

The basic anatomy of a .desktop entry file is as follows:

[Desktop Entry]
Encoding=UTF-8, or other encoding
Name=Name (keep it fairly short)
Comment=When cursor hovers over it
Exec=The application or process
Terminal=true or false
Type=Kind of the thing
Icon=name of (and path to) icon
Categories=Where in the main menu
StartupNotify=true or false

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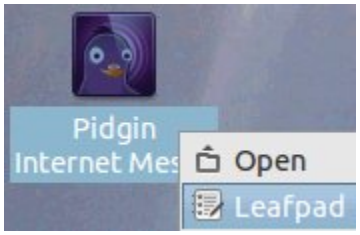
The easiest way to edit this (or any) .desktop entry file is to right-click it and choose Leafpad from the drop-down menu.



[Desktop Entry]

Name=Pidgin Internet Messenger

GenericName=Internet Messenger

Comment=Chat over IM. Supports AIM, Google Talk, Jabber/XMPP, MSN, Yahoo and more

Exec=pidgin

Icon=pidgin

StartupNotify=true

Terminal=false

Type=Application

Categories=Network;InstantMessaging;

X-MessagingMenu-UsesChatSection=true

X-Ubuntu-Gettext-Domain=pidgin

We shorten the name *as it's getting truncated on the desktop anyway*.

[Desktop Entry]
Name=Pidgin Internet Messenger

[Desktop Entry]
Name=Pidgin

Registered Categories *for the menu in the Free Desktop Standards and the full* Desktop Entry Specification *are at freedesktop.org. Also see* Add Application to the Menu *and* Edit the Menu *[Ubuntu Community Help Wiki]. See additional descriptions and examples of shortcuts / .desktop entry files on the* Linux LXDE Guide *and* Fun with Lubuntu. *Check out LXDE.org for a how-to on adding your own* custom sub-menus *and the LXDE Forum for this how-to* Create user's directories in LXDE/Lubuntu's programs menu.

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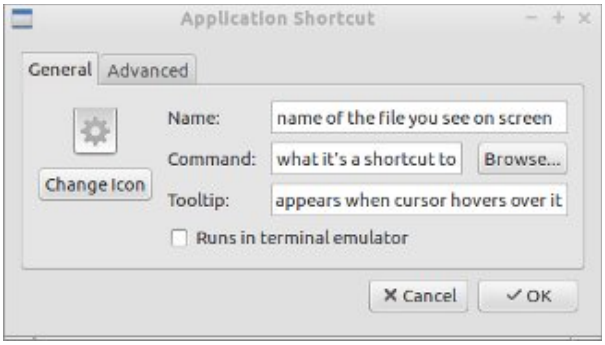
CREATE SHORTCUTS

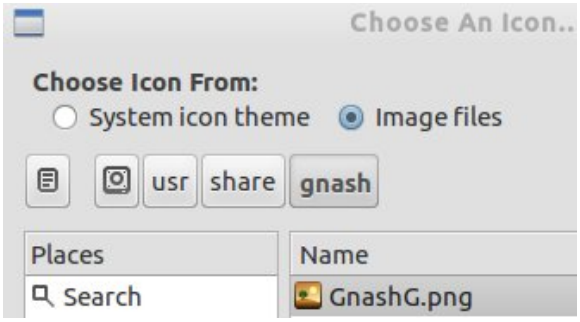
To create a brand new shortcut (.desktop entry file), right-click an empty space on the Desktop and choose **Create New... > Shortcut**.

Save a shortcut as xxxx.desktop *this file name is hidden*



Name is the on-screen name. You'll likely want to keep the Name fairly short and/or spaced just right as it may get truncated on the Desktop and/or make your Menu, or Sub-Menu too wide.
Command is the main function of the shortcut. What application, process, file or folder it opens. This becomes the "Exec" property
Tooltip is the short description of the shortcut that appears when hovering the cursor over it in the menu. This becomes the "Comment" property.
Change Icon allows you to choose an icon for your shortcut other than the default "gear" icon. Click the "Change Icon" button to choose a different one.

Icons for many common applications may be found in /usr/share/icons/ and are easily selected with the radio button for **System icon theme**. To use your own image, select the **Image files** radio button and navigate to your choice.



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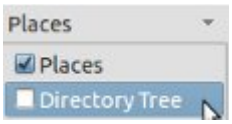
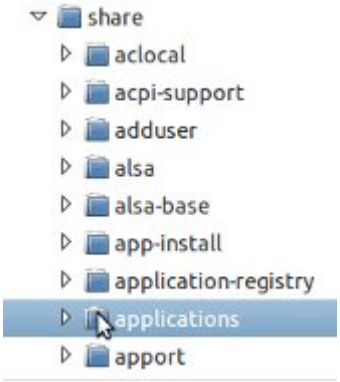
COPY SHORTCUTS

Probably the easiest way to understand and effectively use .desktop entry files is to make copies of existing ones and change them a little at a time. To see *all* the .desktop entry files in the main menu:

1. Go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T), in LXTerminal, type: **gksu pcmanfm** then view files in a Directory Tree.



2. Navigate to **/usr/share/applications** and select the applications folder so it shows the .desktop entry files inside the folder.



EDIT

In the Root applications folder, you'll see every .desktop entry file shown in the menu (and more). Edits *in the root applications folder* will be permanent.

Copy a .desktop entry file from the Root applications folder and ***paste*** it to your desktop. Not only will you have created a desktop shortcut, but you can then safely open it with Leafpad, play with and learn about the shortcut(s) and not make any changes to your main menu. If you like what you've come up with, you can always copy (or cut) a shortcut *from* the desktop and *paste it into the Root applications folder*.

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EXAMPLE SHORTCUT

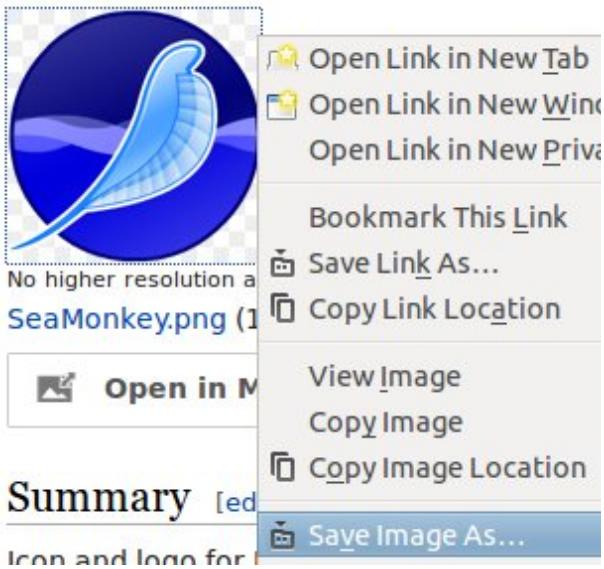
We use SeaMonkey; the all-in one suite of Internet applications (a concept originally made popular by Netscape). We chose SeaMonkey not only because we actually use it's composer component, but also because it's a popular app in the *buntu world that's *not* in the Ubuntu repository and *not available* as a deb file.

Note: If you are only interested in installing SeaMonkey and could care less about creating shortcuts; check out this install-seamonkey script by Israel Dahl (instructions to use the script are on the Ubuntu Forums here).

1. Go to SeaMonkey's website and download SeaMonkey.

2. Go to the Downloads folder, right-click the **seamonkey-2.xx.x.tar.bz2** file and choose **Extract Here** from the drop-down menu. *Once extracted, you may delete the original download*.

3. SeaMonkey doesn't come with an icon; so download the image SeaMonkey.png from Wikimedia



4. Save **SeaMonkey.png** (or move) into **Downloads/seamonkey/icons**

5. Go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T) and type (or copy and paste): **gksu pcmanfm**

6. View the files as **Directory Tree**.

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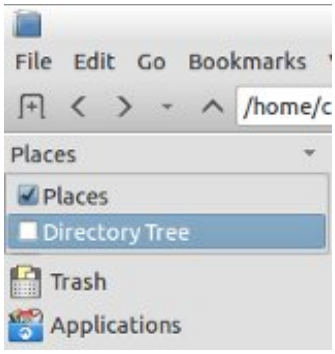
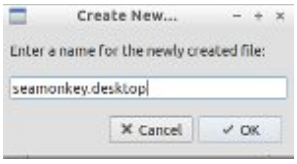
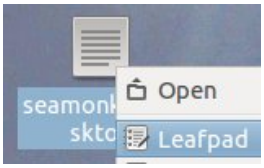


7. Select the seamonkey folder in Downloads, right-click and choose **cut** from the drop-down menu. Then navigate to **/usr/share**

8. Select **share** and **paste**



9. Right click an empty space on the desktop and choose **Create New... Empty File** from the drop-down menu. Save as **seamonkey.desktop**



10. Right click the file and choose **Leafpad** from the drop-down menu. **Copy and paste** the text below into the file and save. "X" out of the shortcut.

11. **Copy and paste** the text below into the file and save.

[Desktop Entry]
Encoding=UTF-8
Name=Seamonkey
Comment=WYSIWYG HTML Editor
GenericName=Seamonkey
Exec=/usr/share/seamonkey/seamonkey %u
Icon=/usr/share/seamonkey/icons/SeaMonkey.png
Terminal=false
Type=Application
Categories=GTK;Qt;Development;IDE
StartupNotify=true

"X" out of the shortcut. *Note: We use SeaMonkey's Composer application for WYSIWYG web design and the text of the shortcut above reflects that. The Categories properties will put SeaMonkey under Programming in the menu.*

If you plan to use SeaMonkey for something different (Email, newsgroups); you'll want to change the Comment and the Categories properties to reflect that. And if using SeaMonkey's web browser component; several of Mozilla's command-line arguments may be useful in the "Exec" properties, like -new-window and -new-tab.

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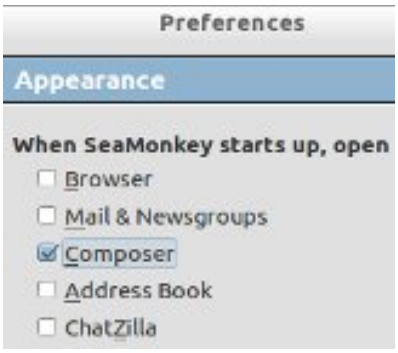
Comment=Web Browser
Exec=/usr/share/seamonkey/seamonkey -new-window %u
http://google.com/
Categories=GTK;Qt;Network;WebBrowser;

Change the lines above if more interested in SeaMonkey's web browser component. The Comment shows it's a browser, the Exec properties open a new window to the .html page specified and Categories put SeaMonkey under Internet.

11. Double-click the shortcut on the desktop to open SeaMonkey. *Decide if you want it to be the default app for any of the Internet applications listed*.

12. Go to Edit --> Preferences --> **Appearance**. Check the app(s) you'd like to open automatically when SeaMonkey starts. Quit SeaMonkey.



- Stop here for a desktop shortcut. *Continue to add Seamonkey to the menu* **-**

Add SeaMonkey shortcut to the Menu:

13. Right-click the shortcut on the desktop and choose **cut** from the drop-down.

14. Go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T) and type (or copy and paste): **gksu pcmanfm**
Then navigate to **/usr/share/applications**

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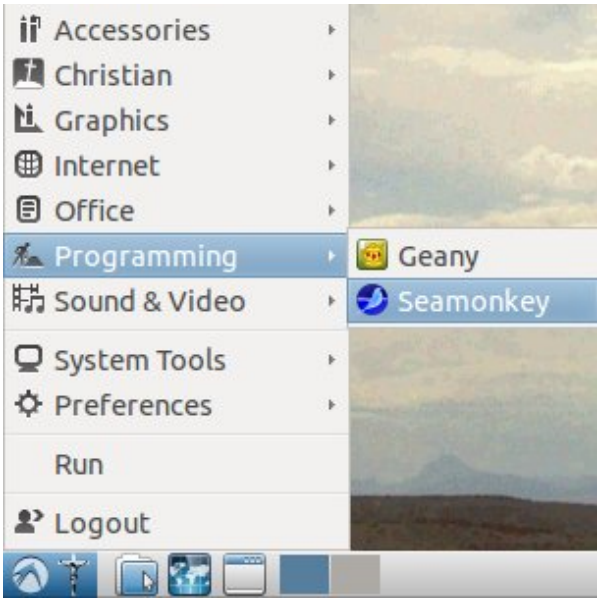
15. Select **applications** and **paste**.

16. "X" out of any open windows and try out the new SeaMonkey menu entry.



*It should be there already, but if not; enter **lxpanelctl restart** in LXTerminal, or log out and log back in*.

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SHORTCUTS TO JAVA APPS

Some applications (like Bible Desktop) are **.jar** files; meaning they run in Java. The command for the "Exec" property of the shortcut is **java -jar** followed by the path to the .jar file. *OpenJDK Java 7 is already included in the C4C Lubuntu ReSpin. If you use "stock" Lubuntu and need to install open-source Java;*

> Go to **Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)**
> Type (or copy and paste):
> **sudo apt-get install openjdk-7-jre[Enter] or [return]**

More info on the OpenJDK website. Oracle's Java is here.

***Icon Note**: Like many apps that are not specifically packaged .deb files, most Java apps don't come with their own icon. Much of the time, you'll have to find an icon (and maybe "tweak" it to your liking), or create one yourself.*

*All shortcuts are .desktop entry files. They must be saved as **xxxx.desktop***

- Java App Example 1 -

Password Dragon is a free password manager encrypted with BlowfishJ algorithm; requiring you only to remember the master password. It's also portable. You can run it from a USB flash drive. Learn more about Password Dragon from their website.

[Desktop Entry]
Name=Password Dragon
Comment=Password Manager
Exec=java -jar /usr/share/passworddragon/passworddragon.jar
Icon=/usr/share/passworddragon/icons/pwd.png
Terminal=false
Type=Application
Categories=GTK;Utility;
StartupNotify=true

*Put the shortcut in the menu: Edit --> Copy (Ctrl+C), or Cut (Ctrl+X) the .desktop file shortcut. Open the File Manager (PCManFM) as root. Go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T) and type: **gksu pcmanfm** View files in a Directory Tree. Navigate to /usr/share/applications. Select the applications folder on the left pane. Edit --> Paste (Ctrl+V) the .desktop file into applications. Close open windows. If the menu entry doesn't appear, type (or copy and paste): **lxpanelctl restart** in LXTerminal, or log out and log back in.*

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- Java App Example 2 -

Minecraft While Minecraft is *not* free - it is undeniably popular. A building, crafting, adventuring game that despite it's blocky graphics – needs a pretty decent graphics card and plenty of RAM. *See the Minecraft website and a Minecraft review at Christian Gaming Zone.*

[Desktop Entry]
Name=Minecraft
Exec=java -jar /usr/share/Minecraft/Minecraft.jar
Comment=Adventure Game
Icon=/usr/share/Minecraft/minecraft.png
NoDisplay=false
Categories=GTK;Game;
Type=Application

Put the shortcut in the menu: Edit --> Copy (Ctrl+C), or Cut (Ctrl+X) the .desktop file shortcut. Open the File Manager (PCManFM) as root. Go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T) and type: **gksu pcmanfm** View files in a Directory Tree. Navigate to /usr/share/applications. Select the applications folder on the left pane. Edit --> Paste (Ctrl+V) the .desktop file into applications. Close open windows. If the menu entry doesn't appear, type (or copy and paste): **lxpanelctl restart** in LXTerminal, or log out and log back in.

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Shortcuts to .sh files

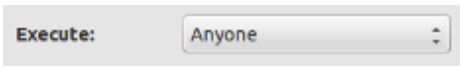
SHORTCUTS TO SHELL SCRIPTS

Several popular applications start with shell scripts (**.sh** files). *You'll need to change permissions to enable a shell script to run. Either via command-line...*

> Go to **Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T)**
> Type (or copy and paste):
> **schmod +x /path/to/the/shellscript.sh[Enter] or [return]**

Or, the graphical way. Right-click (F12) the .sh file, choose "Properties" from the drop-down menu and click the "Permissions" tab:

Then change the "Execute" drop-down to "Anyone"



A shortcut to a shell script is a wee bit more complicated then what we've covered so far. The "Exec" property tells PCManFM it's a shell script that's being run, changes the directory to the one in which the shell script resides and finally executes the shell script.

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- Shell Script Example -

For our shortcut to a shell script example, we use a popular game called **Lux Delux** - *sort of like Risk on steroids*. Try to take over the world, over and over (30 times for free). Lux Delux features 11 different computer opponents (an almost unlimited number of real opponents), more than 800 *different* maps and easy to setup network / Internet play. *See the Lux Delux homepage and map gallery.*

[Desktop Entry]
Version=1.0
Type=Application
Name=Lux Delux
GenericName=Lux Delux
Comment=World Domination
Icon=/usr/share/LuxDelux/LuxIcon.png
Exec=sh -c "cd /usr/share/LuxDelux/; ./LuxDelux.sh"
Categories=GTK;Game;

All shortcuts are .desktop entry files. They must be saved as ***xxxx.desktop***

Put the shortcut in the menu: Edit --> Copy (Ctrl+C), or Cut (Ctrl+X) the .desktop file shortcut. Open the File Manager (PCManFM) as root. Go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T) and type: **gksu pcmanfm** View files in a Directory Tree. Navigate to /usr/share/applications. Select the applications folder on the left pane. Edit --> Paste (Ctrl+V) the .desktop file into applications. Close open windows. If the menu entry doesn't appear, type (or copy and paste): **lxpanelctl restart** in LXTerminal, or log out and log back in.

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Shortcuts to .html files

SHORTCUTS TO WEBPAGES

To make a shortcut to a webpage, simply add the word **firefox** before the path to the webpage (whether that be an address on the Internet or an .html page on your hard drive) in the "Exec" property. Several Mozilla command-line arguments will also be adhered to, like -new-window and -new-tab. *And of course; if you're making several webpage shortcuts - you'll probably want to have separate icons for each*.

All shortcuts are .desktop entry files. They must be saved as ***xxxx.desktop***

- Webpage Example -

[Desktop Entry]
Name=Bible Knowlege Games
Exec=firefox http://www.savingus.org/knowledg/
Comment=Games for Group Play
Icon=/usr/share/icons/lubuntu/apps/48/firefox.svg
NoDisplay=false
Categories=GTK;Network;WebBrowser;
Type=Application

Put the shortcut in the menu: Edit --> Copy (Ctrl+C), or Cut (Ctrl+X) the .desktop file shortcut. Open the File Manager (PCManFM) as root. Go to Menu --> Accessories --> LXTerminal (or Ctrl+Alt+T) and type: **gksu pcmanfm** View files in a Directory Tree. Navigate to /usr/share/applications. Select the applications folder on the left pane. Edit --> Paste (Ctrl+V) the .desktop file into applications. Close open windows. If the menu entry doesn't appear, type (or copy and paste): **lxpanelctl restart** in LXTerminal, or log out and log back in.

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COMMON COMMANDS

The Command Line Interface (CLI) is the most efficient way to perform lots of tasks. Commands are entered into a Terminal; the default one in Lubuntu is ***LXTerminal****. There are many commands; this list barely scratches the surface.*

sudo	**run commands with administrative privileges**
~/	shortcut to the home folder
apt-get autoremove	remove a package along with it's dependencies
apt-get dist-upgrade	update the *buntu version
apt-get install *pkg*	install package
apt-get remove *pkg*	uninstall a package
apt-get update	refresh updates available
apt-get upgrade	update all packages
cd	change directory
chmod 777 *dirname*	resets access rights to a directory
cp	copy (specify what to copy and where)
dir	list all directories within your current location
exit	exits from the terminal or moves back one userlevel
ifconfig	displays current network configuration information
iwconfig	set parameters of the the wireless card
iwlist scan	scans the wireless networks
leafpad	default Lubuntu text editor (replaces gedit in Ubuntu)
ls	lists the contents of a directory
lsb_release -a	shows the version of *buntu
man *app or command*	displays the manual page for the app or command
mkdir	creates a directory
mv	move (specify what to move and where)
nano	text editor (available before the desktop loads)
pwd	displays the directory you're currently in
reboot	reboots the computer system
rm -r *file (or folder)*	removes a file (or folder along with everything inside)
rmdir *dirname*	removes a directory
ufw allow port	to allow traffic on port
ufw default allow	allow all connections by default
ufw default deny	drop all connections by default
ufw deny from ip	ip block
ufw deny port	port block
ufw disable	turn off the firewall
ufw enable	turn on the firewall
uname -a	displays basic information about the system
wget *http://address.com*	download something (even before the desktop loads)

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THANK YOU

Thank you to the many individuals and businesses that have freely given computers and related equipment; without whom C4C wouldn't exist.

Thank you to Christian recording artists Above Only, After the Chase, Beth Champion Mason, Brenda James, Chad Overman, Christ Our Life, Faithland, Scott Krippayne, Morris Mott, Perry and the Poorboys, Steven Ybarra and Yancy for generously donating great Christian music.

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Above all, we thank the Lord!

Where to get Help

Ubuntu is Community Supported. If you have a question about the C4C Lubuntu ReSpin, and have checked our FAQ and the Lubuntu Documentation; then the Ubuntu Forums is likely the best place to search. Computers4Christians accepts no responsibility for the accuracy, or use, of the information presented in this document for any purpose and makes no commitment as to support for the computers, computer equipment, software, files or data it gives away. *Only the Bible is infallible*. The answers to *life* are contained in God's Word. Read the Bible and pray to the Lord. If you have a Bible question; gotQuestions?org may prove helpful. *Computers4Christians and Computers4Christians.org are Copyright (c) 2011-2015* Computers4Christians*; a Wyoming Nonprofit Corporation*.

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